

AD-A159 638

WRIGHT-PATTERSON AFB OHIO REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBS. (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. SEP 85  
USAFETAC/DS-85/050 F/G 4/2

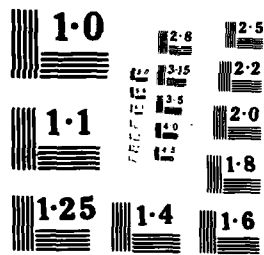
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USAFETAC/DS-85/050

**F/G 4/2**

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06 SEP 1985

REVISED UNITARY FORM NO. 1 OF  
SURFACE WEATHER OBSERVATIONS

1. NAME OF THE STATION: 74-5720  
2. STATION NUMBER: 04 71  
3. STATION TYPE: 0100 - 1300 UTC  
4. NAME OF THE OBSERVER:  
5. NAME OF THE STATION:  
6. NAME OF THE STATION:  
7. NAME OF THE STATION:  
8. NAME OF THE STATION:

04 SEP 1985

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This technical report has been reviewed and is approved for publication.

FOR THE COMMANDER

*Wayne E. McCollom*

WAYNE E. MCCOLLOM  
Chief, Document Research Section  
USAFETAC/LEX



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SECURITY CLASSIFICATION OF THIS PAGE

A159636

## REPORT DOCUMENTATION PAGE

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17 COSATI CODES FIELD GROUP SUB-GROUP 04 02		18 SUBJECT TERMS (Continue on reverse if necessary and identify by block number) *climatology *weather Meteorological conditions (continued over)	
19 ABSTRACT (Continue on reverse if necessary and identify by block number) -A six-part statistical data summary of surface weather observation climatology for: WRIGHT-PATTERSON AFB OHIO. Summary consists of: PART A, Weather Conditions and Atmospheric Phenomena; PART B, Precipitation; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; PART F, Pressure Summaries. See USAFETAC/TN-83/001 (AD-A132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWOS) for complete descriptions of contents and instructions for use.			
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22a NAME OF RESPONSIBLE INDIVIDUAL Marie Wakefield		22b TELEPHONE (Include Area Code) (618) 256-2025	22c OFFICE SYMBOL USAFETAC/LDD

DD FORM 1473, 84 MAR

83 APR edition may be used until exhausted  
All other editions are obsolete.

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UNCLASSIFIED

18. Subject terms cont.

winds    preceipitation    temperature    visibility  
barometric pressure    relative humidity  
sky cover    psychrometric data    ceiling

Revised Uniform Summary of Surface Weather Observations  
RUSSWO

WRIGHT - PATTERSON AFB OHIO  
USO H 745700

UNCLASSIFIED

Approved: \_\_\_\_\_  
 Special Agent  
 FBI  
 Date: \_\_\_\_\_  
 By: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Agent: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Dist: \_\_\_\_\_  
**A-1**



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS  
ATMOSPHERIC PHENOMENA

PART B PRECIPITATION  
SNOWFALL  
SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY  
SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP  
PSYCHROMETRIC-DRY VS WET BULB  
MEAN & STD DEV -  
(DRY BULB, WET BULB, & DEW POINT)  
RELATIVE HUMIDITY

PART F STATION PRESSURE  
SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0300, 0300-0600, 0600-0900, 0900-1200, 1200-1500, 1500-1800, 1800-2100, 2100-2400 hours local standard time.

### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MARCH \_\_\_\_\_

APRIL \_\_\_\_\_

MAY \_\_\_\_\_

JUNE \_\_\_\_\_

JULY \_\_\_\_\_

AUGUST \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

OCTOBER \_\_\_\_\_

NOVEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

# STATION LOCATION AND INSTRUMENTATION HISTORY

AWS MSC NO.		NAME OF STATION		LATITUDE		LONGITUDE		ELEVATION		WMO NUMBER	
745700		WRIGHT-PATTERSON AFB OH		40° 00' N		84° 00' W		822		74570	
CHG NO.	GEOGRAPHICAL LOCATION AND NAME		TYPE OF STATION	ELEVATION ABOVE MSL		OBS PER DAY		REMARKS			
				FEET (FT)	MT BARO						
1	Wright-Patterson AFB OH		AFB	822	822	24	24				
2	Wright-Patterson OH (Sulphur Grove)		AFB	822	822	24	24				
3	Wright-Patterson AFB OH		AFB	822	822	24	24				
4	Same		Same	Same	Same	24	24				
5	Same		Same	Same	Same	24	24				
6	Same		Same	Same	Same	24	24				
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## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sum of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

CENTRAL CLIMATOLOGY BRANCH  
 AFMSTAC  
 AF WEATHER SERVICE/MAC

# WEATHER CONDITIONS

14-7500 PRISAF-PATTERSON AFB CA 75-95 STATION NAME YEARS JAN MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	00-01		6.1	.5	27.3		33.7	13.3	2.7	3.4		23.4	932
	02-03	.1	6.5	1.1	23.0		34.7	19.0	2.9	2.5		22.5	932
	04-05		5.7	1.8	25.5		33.3	22.0	4.7	3.4		27.5	932
	06-07		5.3	1.2	22.9		23.3	27.2	7.4	4.2		32.2	932
	08-09		4.7	.8	19.2		24.2	23.2	7.4	3.2		32.1	932
	10-11	.2	4.4	1.5	16.3		21.9	15.3	5.3	4.5		24.7	932
	12-13	.1	5.2	1.2	19.2		23.7	13.3	3.9	3.3		20.5	932
	14-15		5.5	1.2	23.5		29.5	14.7	3.3	2.5		18.3	932
	16-17												
	18-19												
	20-21												
	22-23												
TOTALS		.1	5.4	1.2	22.3		28.7	13.9	4.8	3.5		25.4	7842



GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

7427-2  
STATION

RIGHT-PATTERSON AFB OH  
STATION NAME

75-85

YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
1 FEB	00-02	.2	5.2	.7	14.3		23.3	13.5	4.2	.2		23.5	349
	03-05		5.4	.9	17.3		24.2	24.3	4.9	.7		22.5	349
	06-08		5.2	.7	17.2	.1	23.3	32.5	5.4	1.4		35.3	349
	09-11		6.2	.8	15.3		22.1	32.7	11.2	1.2		39.1	349
	12-14		6.5	.7	13.3		23.3	17.9	11.5	1.4		27.3	349
	15-17	.2	7.2	.5	13.2		23.5	14.5	9.5	1.5		22.1	349
	18-20	.2	6.5	1.1	11.3		18.5	14.7	5.7	1.3		19.5	349
	21-23	.1	6.2	1.1	11.3		18.3	14.5	3.7	1.2		15.7	349
TOTALS		.1	5.4	.8	14.2	.1	21.2	21.2	5.3	1.3		25.1	5722

DEPTAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

# WEATHER CONDITIONS

4-700  
STATION

WRIGHT-PATTERSON AFB OH  
STATION NAME

76-85

YEARS

112  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HALE	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAR	00-01	.5	14.3	.1	3.3		22.3	15.2	1.5			15.9	937
	03-05	.4	12.8	.4	7.3		19.9	15.5	1.7	.2		13.5	937
	06-08	.6	13.4	.6	6.9		19.9	23.7	5.4	.3		25.5	937
	09-11	.2	12.3		5.3		17.0	12.3	3.0	.2		25.9	937
	12-14		7.5	.2	4.7		12.5	14.5	7.0	.1		19.4	937
	15-17	.4	11.9	.4	4.3		16.9	12.5	5.4	.2		15.5	937
	18-20	1.0	12.2		6.9	.1	13.5	13.0	3.4	.1		15.7	937
	21-23	.5	12.3		8.4		20.5	14.0	1.5			14.5	937
TOTALS		.5	11.9	.2	5.7	.3	18.5	15.3	4.3	.1		12.2	7447

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

# WEATHER CONDITIONS

4-7-77  
STATION

ARIGHT-PATTERSON AFB OH  
STATION NAME

76-85

YEARS

122  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APR	00-01	1.3	11.9		1.0		12.5	7.0	1.4			7.4	900
	02-05	1.4	13.3		1.2		14.5	10.9	1.9			11.4	900
	06-09	.9	13.3		1.5		14.3	23.0	6.2	.3		25.9	900
	10-11	.6	13.1		1.7		14.5	11.0	5.0			15.4	900
	12-14	.6	13.7		1.1	.1	11.7	5.3	3.5			9.1	900
	15-17	1.6	10.9		.2	.2	11.5	4.5	2.7			5.9	900
	18-20	1.7	13.7		.2	.1	14.2	7.3	2.3			9.5	900
	21-23	.8	12.3		1.0	.1	13.1	5.5	1.3			7.4	900
TOTALS		1.1	12.4		1.2	.1	13.4	9.5	3.1	.3		11.3	7200

SEAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

# WEATHER CONDITIONS

44-70  
STATION

WRIGHT-PATTERSON AFB OH  
STATION NAME

76-35

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LIST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	10-22	1.4	11.3				11.3	15.3	5.5			21.4	930
	23-25	.9	13.2				13.2	24.1	7.5			29.0	930
	26-31	.5	12.7			.1	12.7	31.5	13.4			33.3	930
	1-11	1.1	10.9				10.9	13.9	13.0			24.5	930
	12-14	1.7	11.9				11.9	7.3	10.1			15.5	930
	15-17	2.2	11.0				11.0	5.3	9.4			15.3	930
	18-20	2.2	10.5			.1	10.5	5.4	6.1			12.2	923
	21-23	2.2	11.9				11.9	9.9	4.5			13.7	927
TOTALS		1.5	11.7			.2	11.7	14.4	3.2			21.4	7435

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/4AC

# WEATHER CONDITIONS

74-770  
STATION

421541-PATTERSON AFB 24  
STATION NAME

75-84

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	00-23	2.3	5.2				5.2	13.4	14.3			22.3	922
	03-05	1.4	5.7				5.7	29.7	19.3			39.3	922
	06-08	.6	5.4				5.4	32.6	26.9			47.9	922
	09-11	.6	5.5				5.5	13.9	23.2			33.4	922
	12-14	1.3	5.3				5.3	2.3	13.3			20.3	922
	15-17	4.5	5.7				5.7	1.7	17.2			13.3	922
	18-20	5.6	5.1			.1	6.1	1.9	15.1			15.4	922
	21-23	4.2	7.2				7.2	4.5	12.2			15.9	922
TOTALS		2.5	5.1			.1	5.1	11.9	18.3			25.4	7222

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

## WEATHER CONDITIONS

745700  
STATION

WRIGHT-PATTERSON AFB OH  
STATION NAME

75-84

YEARS

JUL  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	00-01	2.3	4.2				4.2	13.3	24.3			33.3	933
	03-04	1.4	4.1				4.1	37.7	25.9			47.7	933
	06-08	.8	5.3				5.3	44.5	27.0			53.1	933
	09-11	1.7	5.0				5.0	12.7	25.5			33.4	933
	12-14	2.5	5.5				5.5	4.3	24.3			27.5	933
	15-17	4.0	5.1				5.1	4.0	24.2			25.5	933
	18-20	4.5	6.7				6.7	5.2	24.2			27.2	933
	21-23	3.0	3.7				3.7	7.3	23.3			25.9	933
TOTALS		2.4	5.2				5.2	15.9	25.0			34.5	7447

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

42700  
STATION

RIGHT-PATTERSON AFB CA

STATION NAME

75-84

YEARS

422  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	10-12	2.9	7.2				7.2	25.2	22.2			35.1	930
	13-15	1.9	7.3				7.3	41.9	21.1			49.1	930
	16-18	1.9	5.3				5.3	59.1	29.1			55.3	930
	19-21	1.8	6.5				6.5	20.9	36.5			43.3	930
	22-24	2.7	5.7				5.7	4.3	32.4			35.7	930
	25-27	3.5	6.9			.1	6.9	3.9	23.5			31.2	930
	28-30	5.2	6.3				6.3	5.2	27.2			32.9	930
	31-23	4.1	5.5				5.5	11.3	24.2		.1	32.2	930
TOTALS		3.2	6.4			.2	6.4	21.7	27.5		.2	41.2	7440

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

4-700  
STATION

WRIGHT-PATTERSON AFB OH  
STATION NAME

75-84  
YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS.	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
SEP	02-02	.9	5.2				5.2	19.3	13.2			25.4	900
	03-05	.7	7.1				7.1	33.9	12.7			37.0	900
	06-08	.6	7.9				7.9	43.3	15.5			53.0	900
	09-11	.3	7.1				7.1	19.1	22.4			35.4	900
	12-14	.7	5.4				5.4	4.3	15.5			20.0	900
	15-17	.8	4.6				4.6	3.0	15.5			13.1	900
	18-20	1.4	3.9				3.9	4.9	13.9			17.5	900
	21-23	2.0	5.5				5.5	7.1	11.3			17.1	900
TOTALS		.9	5.3				6.3	17.5	15.4			23.0	7200



## WEATHER CONDITIONS

221  
MONTH

[illegible]

## WEATHER CONDITIONS

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS EST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
NOV.	00-24	.2	10.0	.1	3.2		13.1	12.5	5.4			14.3	922
	01-25	.2	10.7		4.4		15.2	19.1	3.3			20.3	922
	06-31	.1	14.3		4.3		18.1	25.7	4.3			29.5	922
	09-11		12.2		5.0		17.0	21.3	9.1			27.4	922
	12-14	.1	11.0		4.2		15.5	9.1	7.2			15.3	922
	15-17	.1	10.2		3.4		13.7	7.9	5.0			13.1	922
	18-20	.3	12.0	.2	3.2		15.2	7.2	4.0			10.2	922
	21-23	.2	10.1		4.3		13.5	3.1	3.7			10.2	922
TOTALS		.2	11.3	.3	4.1		15.1	14.0	5.5			17.5	7222

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

14-7-0 STATION 441541-PATTERSON AFB CA 75-34 YEARS DEC MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS EST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
01-01	00-22		11.5	.9	11.1		22.4	14.4	.1	.3		14.7	930
	03-05	.3	13.4	.5	3.3		22.3	15.2	.2			15.3	930
	06-08		13.3	1.0	10.3		24.4	21.3	1.1	.3		22.6	930
	09-11		11.7	.5	9.5		21.7	25.1	3.7	1.0		23.2	930
	12-14		10.3	.2	8.7		18.5	15.5	4.3	1.1		19.9	930
	15-17		12.7	.5	9.2		21.7	15.2	3.5	1.2		22.1	930
	18-20	.1	12.4	.5	9.5		21.5	15.3	2.2	.9		17.5	930
	21-23		11.7	.5	11.1		22.4	14.3	.5	.5		14.9	930
TOTALS		.1	12.3	.5	9.3		21.9	17.3	2.2	.7		19.3	7440

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

14 7 7 NIGHT-PATTERSON AFB OH  
STATION NAME

75-85

YEARS

8 --  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	DAY	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN AND/OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	ALL	.1	5.4	1.2	22.3		23.7	13.9	4.3	3.5		25.4	7440
FEB		.1	5.4	.3	14.2	.0	21.0	21.2	5.9	1.3		25.1	5797
MAR		.3	11.9	.2	5.7	.0	18.5	15.3	4.3	.1		19.2	7440
APR		1.1	12.4		1.2	.1	13.4	9.5	3.1	.0		11.8	7200
MAY		1.5	11.7			.0	11.7	14.4	3.9			21.4	7435
JUN		2.4	5.1			.0	5.1	11.3	18.3			25.4	7200
JUL		2.5	5.2				5.2	15.9	25.0			34.5	7440
AUG		3.0	5.4			.0	5.4	21.7	27.5		.0	41.0	7440
SEP		.7	5.0				5.0	17.5	15.4			23.0	7200
OCT		.3	10.5		.1		10.3	15.2	5.5			20.0	7440
NOV		.2	11.3	.0	4.1		15.1	14.0	5.5			17.5	7200
DEC		.1	12.0	.6	9.3		21.9	17.3	2.0	.7		19.3	7440
TOTALS		1.1	8.3	.2	4.9	.0	13.7	15.3	10.5	.5	.0	24.2	37557

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than  $\frac{5}{8}$  mile.

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AD WEATHER SERVICE/MAC

**WEATHER CONDITIONS**  
ATMOSPHERIC PHENOMENA

4700  
STATION

WRIGHT-PATTERSON AFB OH  
STATION NAME

49-55

YEARS

ALL  
MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HALE	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBSY TO VISION	TOTAL NO OF OBS
JAN	DAILY	0.0	34.5	7.5	47.3	.1	57.2	49.4	54.9	7.3		74.0	1147
FEB		2.1	34.1	4.9	41.7	.3	51.2	43.2	55.7	4.5		71.7	1045
MAR		7.6	46.0	1.7	29.5	1.0	63.4	44.3	51.7	2.2		55.0	1147
APR		15.0	55.3	.2	9.3	1.4	59.0	41.3	43.3	.1	.1	53.3	1110
MAY		21.1	51.5		.1	1.3	51.5	43.9	49.3			50.9	1147
JUN		25.3	44.9			1.0	44.9	47.3	52.5			59.1	1030
JUL		26.5	44.4			.2	44.4	54.9	55.9			73.0	1115
AUG		22.5	41.3			.4	41.3	54.5	75.2			30.1	1115
SEP		11.9	37.3			.2	37.4	53.2	52.4			71.1	1030
OCT		5.6	33.2		1.5	.3	33.7	51.3	55.7			57.4	1115
NOV		3.1	40.9	.3	21.5		52.4	45.5	52.0	.9		55.1	1030
DEC		1.3	40.3	4.8	39.2		54.3	45.3	50.5	3.5		59.7	1115
TOTALS		12.0	42.5	1.5	15.9	.5	52.2	49.5	56.3	1.5	.0	53.3	11300

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

- \* 1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
- \* 2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

\* Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT



2

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 AFM 12-1  
 AIR WEATHER SERVICE MANUAL

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

14-7-73 LIGHT-PATTON AFB TX 49-85  
 STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	2.4	17.1	4.2	10.6	5.2	8.7	5.5	4.2	1.0	.4				40.5	1425	3.71	8.35	.19
FEB	.4	23.5	4.2	1.5	4.7	5.0	5.3	4.1	1.1	.1				35.0	1290	2.42	5.23	.00
MAR	2.7	11.1	3.1	9.5	5.7	9.3	7.5	4.3	1.3	.2				41.2	1457	3.40	9.99	.57
APR	1.1	17.1	4.2	5.2	5.0	8.5	7.7	3.9	2.4					41.5	1419	3.53	7.52	.03
MAY	4.4	14.1	3.4	5.2	4.5	9.3	7.9	5.1	1.9	.1				79.5	1457	3.74	12.34	.55
JUN	2.2	12.2	2.1	5.3	4.2	7.7	5.5	5.2	3.3	.4				35.7	1330	4.50	10.93	.35
JUL	4.5	13.2	3.2	5.2	4.3	7.2	5.5	4.5	2.5	.1				32.3	1425	3.44	7.59	.45
AUG	.5	11.9	1.8	5.0	3.5	6.7	4.3	4.4	2.5	.2	.1			73.3	1425	3.47	10.15	.21
SEP	3.1	10.9	1.8	4.9	3.0	5.1	5.2	4.3	1.5	.1				25.1	1340	2.50	5.11	.15
OCT	1.0	11.4	2.7	5.3	4.3	6.3	4.5	3.5	1.1	.1				27.5	1425	2.23	5.09	.14
NOV	4.7	17.3	3.1	7.8	4.5	7.1	5.4	5.1	1.4	.1				75.5	1350	3.01	5.93	.50
DEC	3.1	25.5	4.5	8.4	5.5	6.9	5.9	4.1	1.1					33.4	1425	2.75	5.50	.75
ANNUAL	4.4	17.2	3.1	7.3	4.7	7.5	5.7	4.8	1.3	.1	.0			35.4	16373	33.15		

## EXTREME VALUES

FROM DAILY OBSERVATIONS

74 72 STATION NAME

32-25

YEARS

[illegible]

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

U.S. AIR FORCE  
 METAC  
 WEATHER SERVICE/MAC

# EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

74-7-2 STATION 21641-PATTERSON AFB CA

32-45

YEARS

## 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1	.93	.72	1.33	1.05	1.74	3.15	1.32	2.15	1.27	.55	1.75	.97	3.15
2	.54	.59	.33*	1.03	.55	2.72	.75	.74	.92	.73	.84	.73	2.72
3	.74	1.15	.75	.45	1.31	1.79	1.34	.47	1.52	.73	.55	1.70	1.54
4	.54	.39	.53	1.17	1.97	1.53	.32	.95	1.13	.33	1.33	.59	1.97
5	.63	.39	1.23	.61	.57	1.53	1.59	.35	.47	1.39	1.73	.72	1.59
6	.61	.97	.73	1.04	1.17	2.07	.15	1.57	.35	.51	1.13	.59	2.07
7	.74	2.55	1.33	1.27	.57	.95	3.55	.91	1.55	1.33	.43	1.10	3.55
8	.72	.54	.52	.94	.83	1.41	1.43	1.54	.85	.42	.54	.23	1.54
9	.53	.43	.95	1.59	.92	.57	1.14	1.55	.79	3.77	.81	.54	3.77
10	1.41	.27	.53	.95	.83	1.04	1.55	1.55	.19	.91	.83	1.55	1.55
11	1.01	.75	.47	.74	.79	1.75	1.31	2.15	2.55	.35	.97	.75	2.55
12	1.52	.54	.51	.54	1.45	4.57	1.17	2.22	.53	1.31	.53	.21	4.57
13	.13	.75	.25	1.71	1.53	3.35	2.35	2.93	1.35	1.14	.83	1.01	3.35
14	1.74	.58	.37	.67	1.45	1.02	.82	2.93	.44	.32	1.33	1.34	2.93
15	.42	.47	.53	2.43	.92	1.75	1.55	1.35	.51	1.51	1.33	.42	2.43
16	.22	.33	.35	1.58	1.02	1.15	.73	1.02	.92	.35	1.45	.85	1.58
17	.35	.43	1.93	.67	1.22								
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
MEAN	.372	.553	1.024	1.012	1.022	1.534	1.222	1.331	.832	.861	.953	.832	2.526
S D	.841	.513	.649	.475	.541	.892	.712	.953	.532	.512	.559	.359	.824
TOTAL OBS	1425	1237	1457	1459	1457	1387	1425	1425	1332	1425	1381	1425	15573

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

JOINT CLIMATE LOG BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

STATION

STATION NAME

YEARS

YEARS

## TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
1			1.52	4.17	.55	8.52	3.75	1.37	1.31	2.25	1.24	1.27	
2		1.27	1.10	2.20	5.89	5.51	2.52	1.51	3.55	1.15	2.00	3.81	31.52
3		1.25	.55	.47	1.55	1.93	5.02	1.31	4.55	2.55	5.79	2.11	31.95
4		1.74	2.59	2.75	2.17	2.57	7.29	2.75	2.74	2.34	2.15	3.52	37.23
5		1.11	1.71	5.95	2.11	4.29	5.74	5.31	3.13	1.15	1.74	1.75	33.24
6		.59	2.46	4.55	4.93	4.25	3.33	.92	3.94	1.42	.22	2.75	32.55
7		1.15	3.92	4.53	4.45	4.27	5.54	7.29	1.00	4.01	2.05	3.52	43.79
8		1.22	3.53	3.15	2.15	4.53	2.00	3.57	3.29	.55	2.55	2.55	32.55
9		.75	.53	1.77	5.03	5.42	10.80	4.24	3.33	2.91	2.71	2.24	45.33
10		5.15	4.15	4.55	3.57	2.51	5.24	3.29	1.32	1.55	1.75	4.93	42.97
11		4.55	2.51	3.15	2.22	1.99	5.52	3.25	3.43	4.55	2.15	.91	45.75
12		2.71	5.23	2.55	5.17	2.47	3.93	2.79	5.13	3.17	2.59	5.95	51.23
13		5.51	3.15	3.95	3.55	3.73	3.75	.45	1.11	2.35	2.13	3.99	37.10
14		5.73	2.31	4.33	4.15	3.11	4.59	1.11	1.90	3.72	.95	1.55	35.77
15		3.29	2.05	1.91	2.05	1.52	1.74	1.79	1.91	.73	.52	.47	19.51
16		2.21	1.52	1.53	4.55	2.15	5.09	1.79	4.33	1.44	5.23	1.50	34.22
17		1.73	4.19	3.75	2.41	2.41	4.59	3.59	1.25	5.45	3.59	5.77	39.59
18		1.55	3.51	3.41	2.23	3.90	2.47	2.11	2.27	1.71	1.23	4.71	33.29
19		1.51	2.15	.93	5.55	5.53	3.75	2.00	.57	3.03	1.44	3.39	35.90
20		3.13	1.22	1.54	3.22	3.33	5.73	7.29	3.51	1.95	1.10	2.25	42.59
21		7.59	2.55	3.53	2.25	2.43	.53	3.51	3.32	1.73	1.97	2.43	34.23
22		2.45	2.25	1.55	.89	4.42	3.05	1.43	2.21	.79	1.99	1.59	25.75
23		.45	2.52	4.27	3.49	2.11	3.53	1.33	2.59	2.14	.95	2.73	29.59
24		3.00	3.35	2.59	.53	3.53	.35	4.34	2.03	1.55	1.39	2.77	27.52
25		1.13	.51	5.51	4.11	1.49	2.53	3.50	5.30	.15	.14	.90	27.52
26		2.01	1.74	9.99	7.52	1.52	4.42	2.72	.52	1.72	.45	2.15	39.52
27		3.47	4.52	2.33	4.75	1.20	1.72	2.25	1.92	5.27	3.93	1.35	34.37
28		3.01	3.51	1.32	3.62	3.53	2.63	5.71	4.25	3.35	1.41	4.15	45.54
29		.92	3.15	4.43	5.15	7.43	2.22	2.41	.21	2.03	2.25	4.21	37.51
30		1.97	.26	3.05	2.41	12.34	3.33	3.97	4.42	4.53	1.17	4.92	45.54
MEAN													
S D													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

JOINT CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MA.

# **EXTREME VALUES** MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

14-7-3 STATION 1541-241123 ON 452 04 32-35 YEARS

## TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
1	7.4	1.25	2.30	3.59	3.51	7.27	5.19	2.97	1.94	1.73	3.35	2.45	42.51
2	1.01	1.05	3.21	6.59	3.41	5.24	3.44	1.78	2.51	2.20	2.31	2.77	47.15
3	1.47	4.51	2.74	1.12	4.25	4.13	3.90	1.05	4.37	2.44	2.44	5.50	73.33
4	1.02	1.27	3.02	5.55	4.53	2.25	1.20	3.35	4.75	2.52	5.57	3.14	45.11
5	1.50	1.43	5.53	3.99	2.95	7.01	7.44	2.53	1.25	3.79	4.98	2.53	45.44
6	2.88	2.41	3.21	3.55	3.55	4.37	5.51	10.18	5.05	1.12	3.75	3.30	44.53
7	3.2	4.00	4.57	5.38	2.11	3.35	7.32	5.15	4.03	3.11	2.20	3.44	49.19
8	3.24	2.3	3.04	1.98	2.32	7.45	3.55	3.05	2.35	1.37	3.7	3.55	73.91
9	1.84	1.57	3.53	3.57	1.33	1.71	3.47	3.45	3.10	5.73	2.50	4.13	35.14
10	1.35	1.00	2.55	4.55	3.44	3.22	4.10	5.91	4.43	3.24	1.95	4.93	41.77
11	3.54	3.10	1.59	4.37	7.21	6.13	7.59	3.32	5.11	1.52	4.15	2.17	52.40
12	2.21	1.76	3.23	2.54	5.27	10.93	4.55	5.31	1.47	2.71	1.59	1.23	45.31
13	1	2.92	1.97	6.02	7.33	6.03	6.32	4.22	2.32	2.43	1.72	3.33	44.55
14	5.35	1.54	4.24	1.57	5.17	4.02	2.17	5.17	1.23	1.23	4.57	3.55	42.81
15	1.7	1.79	1.89	5.40	5.22	3.33	3.24	2.25	1.97	5.04	4.29	2.50	33.52
16	1.00	2.54	3.53	5.22	4.25	2.77	2.44	3.23	3.42	3.15	4.43	4.10	42.39
17	1.14	1.93	5.10	1.35	4.45								
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MEAN	2.413	2.42	3.328	3.632	3.743	4.497	3.437	3.455	2.603	2.281	3.005	2.747	34.515
S D	2.14	1.252	1.843	1.555	2.022	2.425	1.875	2.205	1.533	1.337	1.444	1.171	5.241
TOTAL OBS	142	1.32	1457	1409	1457	1387	1425	1425	1337	1425	1337	1425	15473

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

2 JOURNAL CLIMATOLOGY BRANCH  
 14 STAC  
 AIR FORCE SERVICE MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 (FROM DAILY OBSERVATIONS)

74-740 1944-1945 PATTERSON AFB 24 40-65  
 STATION STATION NAME YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02 05	06 10	11 25	26 50	51 100	101 250	251 500	501 1000	1001 2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01 04	05 14	15 24	25 34	35 44	45 64	65 104	105 154	155 254	255 504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13 24	25 36	37 48	49 60	61 120	OVER 120					
JAN		1 26.3	7.7	7.7	1.9	1.5	.7	.5	.2					73.5	1240	7.3	34.1TRACE	
FEB		1 4.2	1.7	5.1	2.2	.9	.9	.4	.2					19.4	1131	5.3	15.3TRACE	
MAR		1.2 16.9	4.3	3.9	1.7	.2	.4	.7	.2					11.9	1240	4.5	15.9TRACE	
APR		1.0 6.0	1.3	.3	.2	.2								2.2	1200	.5	5.1	
MAY		9.9	.1													1240	TRACETRACE	
JUN		0.0														1170	.0	
JUL		0.0														1209	.0	
AUG		0.0														1209	.0	
SEP		9.9	.1													1170	TRACETRACE	
OCT		3.4	1.4		.2									.2	1239	.1	1.0	
NOV		7.0	14.5	2.4	1.7	.9		.3	.3	.3				5.2	1170	2.5	17.3	
DEC		1.3	24.0	5.5	4.5	1.7	.3	.5	.5		.1			13.5	1209	5.2	18.5TRACE	
ANNUAL		4.3	9.5	2.5	2.0	.7	.3	.2	.2	.1	.0			5.1	14395	25.3		

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 METEOROLOGICAL  
 AIR WEATHER SERVICE/AMC

# EXTREME VALUES

SND. FALL

FROM DAILY OBSERVATIONS

14-7-73 STATION NAME 46-55

YEARS

24 HOUR AMOUNTS IN INCHES

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
4			1.5	TRACE	.1	.0	.0	.0	.0	.0	.0	.0	4.5	4.5
4			1.7	3.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.1	3.4
4			10.4	2.5	.0	.0	.0	.0	.0	.0	.0	TRACE	3.5	10.4
4			3.2	.2	1.1	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	3.5
4			1.7	.2	TRACE	.0	.0	.0	.0	.0	.0	1.4	3.1	3.4
4			4.4	5.2	5.5	TRACE	.0	.0	.0	.0	1.0	.4	5.2	5.2
4			3.1	1.4	.5	TRACE	.0	.0	.0	.0	TRACE	3.5	2.0	3.5
4			1.1	TRACE	2.4	2.8	.0	.2	.2	.2	.0	.0	1.7	5.2
4			2.0	2.9	1.4	TRACE	.0	.0	.0	.0	TRACE	1.3	1.5	2.9
5			.2	1.5	2.1	.0	.0	.2	.2	.2	.0	2.2	2.0	2.2
5			5.7	.2	3.3	TRACE	.0	.7	.0	.0	.0	.0	1.0	3.2
5			2.1	1.4	TRACE	2.1	.0	.2	.2	.0	.2	.2	4.5	4.5
5			.7	4.2	4.5	.1	.0	.0	.0	.0	.0	.0	7.0	13.9
5			5.2	.4	7.3	.3	.0	.0	.0	.0	.0	.2	4.3	7.3
5			.7	2.3	5.5	TRACE	.0	.0	.0	.0	.0	.0	1.5	5.3
5			3.2	1.2	.7	.3	.0	.0	.0	.0	.0	.0	3.7	3.7
5			3.1	4.5	1.9	TRACE	.0	.0	.0	.0	TRACE	TRACE	1.2	4.5
5			1.1	2.1	4.5	TRACE	.0	.0	.0	.0	.0	.2	2.5	4.5
5			9.0	4.2	.3	TRACE	.0	.0	.0	.0	.0	.5	.5	9.0
5			5.4	2.3	1.3	TRACE	.0	.0	.0	.0	.0	TRACE	.9	5.4
5			4.5	4.8	1.3	.3	TRACE	.0	.0	.0	.0	4.4	2.3	4.8
5			1.7	5.1	4.5	.0	.0	.0	.0	.0	TRACE	5.2	2.5	5.2
5			2.4	1.5	5.9	TRACE	.0	.0	.0	.0	.0	.3	2.3	5.9
5			1.1	1.4	1.3	TRACE	.0	.0	.0	.0	.0	.3	3.2	3.2
5			2.4	1.0	2.3	TRACE	.0	.0	.0	.0	.0	2.0	.5	2.5
5			1.1	3.9	5.2	TRACE	.0	.0	.0	.0	.0	1.5	.3	2.2
5			1.2	3.9	1.5	1.7	.0	.0	.0	.0	TRACE	.7	3.5	3.9
5			.7	2.7	1.7	2.5	.0	.0	.0	.0	.0	TRACE	3.5	3.5
5			.2	3.0	2.0	2.0	.0	.0	.0	.0	TRACE	5.5	2.3	5.5
5			4.1	1.7	4.7	.1	.0	.0	.0	.0	.0	1.2	1.0	4.7
MEAN														
S D														
TOTAL OBS.														

NOTE: \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

USAF CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/AFAC

# EXTREME VALUES

UND. FALL

FROM DAILY OBSERVATIONS

74-733  
 STATION

41641-24112-24 AFR 04  
 STATION NAME

45-45

YEARS

## 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
5	5.0	.1	.5	.0	.0	.0	.0	.0	.0	.0	2.3	1.7	5.0
6	3.0	4.3	.7	.1	.1	.0	.0	.0	.0	TRACE	2.0	2.4	4.3
7	7.0	2.7	2.3	.0	.0	.0	.0	.0	.0	.0	TRACE	.7	7.0
8	5.8	5.2	.2	.3	.1	.0	.0	.1	.1	.0	TRACE	TRACE	5.8
9	2.0	4.2	1.8	TRACE	.0	.0	.0	.0	.0	TRACE	5.0	1.9	5.0
10	1.7	1.0	1.2	.0	.1	.1	.0	.0	.0	TRACE	TRACE	5.7	5.7
11	4.4	2.5	1.3	2.5	.0	.0	.0	.0	.0	.0	TRACE	.4	4.4
12	.7	1.0	.7	TRACE	.1	.0	.0	.0	.0	.0	TRACE	1.4	1.4
13	2.9	4.9	5.4	TRACE	.0	.0	.0	.0	TRACE	.0	1.0	4.0	5.4
14	3.2	3.1	TRACE	TRACE	.1	.	.	.	.	.	.	.	.
15	.	.	.	.	.	.	.	.	.	.	.	.	.
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MEAN	2.11	2.71	2.43	.37	TRACE	.00	.00	.00	TRACE	.05	1.87	2.73	5.68
S D	2.24	2.15	2.13	.30	.00	.00	.00	.00	.00	.22	2.48	2.49	2.43
TOTAL OBS	124	113	124	120	124	117	120	120	117	120	117	120	1439

NOTE: \* BASED ON LESS THAN FULL MONTHS

USAF ETAC FORM 0-88-3 (OLA)



JOINT CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

STATION 145712 21641-PATTERSON AFB CA

46-35

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
4		1.1	.9	TRACE	.1	.0	.0	.0	.0	.0	.0	.0	9.3	11.4
		1.2	8.5	5.2	TRACE	.0	.2	.2	.2	.2	.2	TRACE	7.3	19.3
4		15.4	15.3	2.5	.0	.0	.0	.0	.0	.0	.0	TRACE	5.2	47.9
4		5.2	.2	2.9	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	9.4
		TRACE	3.9	.2	TRACE	.0	.0	.0	.0	.0	.0	17.3	10.0	31.4
4		11.3	5.5	7.8	TRACE	.0	.0	.0	.0	.0	1.0	.4	3.5	37.3
		3.0	3.5	1.0	TRACE	.0	.0	.0	.0	.0	TRACE	3.7	4.5	15.3
4		3.2	TRACE	4.7	2.3	.0	.2	.2	.2	.2	.0	1.3	5.3	13.1
4		4.1	5.5	2.5	TRACE	.0	.0	.0	.0	.0	TRACE	1.5	4.1	13.5
5		3.7	3.8	4.3	.0	.0	.2	.2	.2	.2	.0	13.5	4.2	25.2
5		15.3	.2	5.7	TRACE	.0	.0	.0	.0	.0	.0	0.0	1.0	24.2
5		7.9	2.4	TRACE	2.2	.0	.2	.2	.2	.2	1.2	.5	3.7	23.7
5		7.7	5.9	8.0	.1	.0	.0	.0	.0	.0	.0	7.0	13.5	44.7
		15.2	1.5	15.9	.3	.0	.0	.0	.2	.2	.2	4.5	5.1	44.3
		1.7	7.9	14.9	TRACE	.0	.0	.0	.0	.0	.0	2.0	15.5	42.1
		5.2	5.3	.7	.3	.0	.0	.0	.0	.2	.2	.4	2.3	21.0
		4.7	10.9	5.2	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	2.7	23.5
		3.4	5.1	5.1	TRACE	.0	.2	.2	.2	.2	.2	.3	7.4	22.5
4		15.4	15.5	.9	TRACE	.0	.0	.0	.0	.0	.0	1.2	1.9	35.1
		13.2	5.2	4.5	TRACE	.0	.0	.2	.2	.2	.2	TRACE	1.4	24.5
		5.9	7.2	2.0	.7	TRACE	.0	.0	.0	.0	.0	9.2	5.7	31.2
5		4.5	14.1	7.0	.0	.0	.0	.0	.0	.0	TRACE	5.2	3.3	34.9
5		5.0	1.5	12.9	TRACE	.0	.0	.0	.0	.0	.0	.5	3.5	24.4
5		2.5	1.5	1.4	TRACE	.2	.2	.2	.2	.2	.2	.2	7.4	13.5
		15.0	1.5	7.4	TRACE	.0	.0	.0	.0	.0	.0	3.5	.5	23.9
		5.2	9.1	11.3	TRACE	.2	.2	.2	.2	.2	.2	3.7	.5	30.1
		3.0	7.1	1.3	1.4	.0	.0	.0	.0	.0	TRACE	2.0	5.1	21.3
		1.5	3.2	1.7	5.1	.2	.2	.2	.2	.2	.0	TRACE	9.5	23.2
4		2.4	4.5	2.7	2.2	.0	.0	.0	.0	.0	.0	TRACE	4.5	27.2
4		4.7	3.3	11.5	.1	.2	.2	.2	.2	.2	.2	2.4	3.5	25.2
MEAN														
S D														
TOTAL OBS														

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

FROM DAILY OBSERVATIONS

4-7 STATION 2 10-1-DA-1-2 STATION NAME 2 0+

45-35 YEARS

## TOTAL MONTHLY SNOWFALL IN INCHES

[illegible]

NOTE \* BASED ON LESS THAN FULL MONTHS

[illegible]

2

STATION  
DATE

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
NO. DEPT  
(FROM DAILY OBSERVATIONS)

STATION NAME

YEARS

YEARS

	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	1.1	1.2	4.2	4.1	4.3	5.2	7.1	.3						73.5	1457				
FEB	1.7	13.5	4.8	5.0	4.2	5.5	2.5	.2						73.7	1327				
MAR	3.2	7.3	7.1	1.0	1.3	1.3	.5							9.5	1452				
APR	1.5	1.2	.1	.1	.1									.2	1475				
MAY	10.1														1473				
JUN	.1														1417				
JUL	1.1														1457				
AUG	10.1														1457				
SEP	10.1														1477				
OCT	9.9	.1													1457				
NOV	1.1	4.3	1.1	.4	.2	.4	.2	.2						2.5	1474				
DEC	.7	13.1	4.2	4.2	3.1	4.2	.7							70.2	1444				
ANNUAL	3.1	4.4	2.4	1.5	1.4	1.4	.5	.1						7.5	17215				

GENERAL CLIMATOLOGY BRANCH  
 ETAC  
 AT WEATHER SERVICE/MAC

# EXTREME VALUES

SNO. DEPTH

FROM DAILY OBSERVATIONS

1407-3  
STATION

WRIGHT-PATTERSON AFB OH  
STATION NAME

18-85

YEARS

## DAILY SNO. DEPTH IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
1			1*	0*	0	0	0	0*	0	0*	0*	0	4
2		1*	1	TRACE	0	0	0	0	0	0	0	0	4
3		4*	0	3	TRACE	0	0	0	0	0	0	0	4
4		1	1	TRACE	0	0	0	0	0	0	0	0	4
5		1	1	3*	0	0	0	0	0	0	0	0	4
6		1	1	2	0	0	0	0	0	0	0	0	4
7		1	3	2*	0	0	0	0	0	0	0	0	4
8		1	4	0	0	0	0	0	0	0	0	0	4
9		1	1	0	0	0	0	0	0	0	0	0	4
10		1	TRACE	TRACE	TRACE	0	0	0	0	0	0	0	4
11		1	3	3	0	0	0	0	0	0	0	0	4
12		1	9	2	0	0	0	0	0	0	0	0	4
13		1	1	1	0	0	0	0	0	0	0	0	4
14		1	1	0	0	0	0	0	0	0	0	0	4
15		TRACE	2	TRACE	0	0	0	0	0	0	1*	0	15
16		1	12	2	TRACE	0	0	0	0	0	0	0	12
17		1	5	1	0	0	0	0	0	0	0	0	4
18		1	TRACE	3	TRACE	0	0	0	0	0	0	0	4
19		1	1	3	TRACE	0	0	0	0	0	0	0	4
20		1	1	1	0	0	0	0	0	0	0	0	4
21		1	TRACE	4	TRACE	0	0	0	0	0	0	0	4
22		1	1	2	TRACE	0	0	0	0	0	0	0	4
23		1	4	5	0	0	0	0	0	0	0	0	4
24		1	1	5	2	0	0	0	0	0	0	0	4
25		TRACE	2	7	TRACE	0	0	0	0	0	0	0	4
26		1	4	TRACE	TRACE	0	0	0	0	0	0	0	4
27		1	5	4	0	0	0	0	0	0	0	0	4
28		1	4	5	0	0	0	0	0	0	0	0	4
29		1	3	0	0	0	0	0	0	0	0	0	4
30		1	3	1	0	0	0	0	0	0	0	0	4
31		1	3	1	0	0	0	0	0	0	0	0	4
32		1	3	1	0	0	0	0	0	0	0	0	4
33		1	3	1	0	0	0	0	0	0	0	0	4
34		1	3	1	0	0	0	0	0	0	0	0	4
35		1	3	1	0	0	0	0	0	0	0	0	4
36		1	3	1	0	0	0	0	0	0	0	0	4
37		1	3	1	0	0	0	0	0	0	0	0	4
38		1	3	1	0	0	0	0	0	0	0	0	4
39		1	3	1	0	0	0	0	0	0	0	0	4
40		1	3	1	0	0	0	0	0	0	0	0	4
41		1	3	1	0	0	0	0	0	0	0	0	4
42		1	3	1	0	0	0	0	0	0	0	0	4
43		1	3	1	0	0	0	0	0	0	0	0	4
44		1	3	1	0	0	0	0	0	0	0	0	4
45		1	3	1	0	0	0	0	0	0	0	0	4
46		1	3	1	0	0	0	0	0	0	0	0	4
47		1	3	1	0	0	0	0	0	0	0	0	4
48		1	3	1	0	0	0	0	0	0	0	0	4
49		1	3	1	0	0	0	0	0	0	0	0	4
50		1	3	1	0	0	0	0	0	0	0	0	4
51		1	3	1	0	0	0	0	0	0	0	0	4
52		1	3	1	0	0	0	0	0	0	0	0	4
53		1	3	1	0	0	0	0	0	0	0	0	4
54		1	3	1	0	0	0	0	0	0	0	0	4
55		1	3	1	0	0	0	0	0	0	0	0	4
56		1	3	1	0	0	0	0	0	0	0	0	4
57		1	3	1	0	0	0	0	0	0	0	0	4
58		1	3	1	0	0	0	0	0	0	0	0	4
59		1	3	1	0	0	0	0	0	0	0	0	4
60		1	3	1	0	0	0	0	0	0	0	0	4
61		1	3	1	0	0	0	0	0	0	0	0	4
62		1	3	1	0	0	0	0	0	0	0	0	4
63		1	3	1	0	0	0	0	0	0	0	0	4
64		1	3	1	0	0	0	0	0	0	0	0	4
65		1	3	1	0	0	0	0	0	0	0	0	4
66		1	3	1	0	0	0	0	0	0	0	0	4
67		1	3	1	0	0	0	0	0	0	0	0	4
68		1	3	1	0	0	0	0	0	0	0	0	4
69		1	3	1	0	0	0	0	0	0	0	0	4
70		1	3	1	0	0	0	0	0	0	0	0	4
71		1	3	1	0	0	0	0	0	0	0	0	4
72		1	3	1	0	0	0	0	0	0	0	0	4
73		1	3	1	0	0	0	0	0	0	0	0	4
74		1	3	1	0	0	0	0	0	0	0	0	4
75		1	3	1	0	0	0	0	0	0	0	0	4
76		1	3	1	0	0	0	0	0	0	0	0	4
77		1	3	1	0	0	0	0	0	0	0	0	4
78		1	3	1	0	0	0	0	0	0	0	0	4
79		1	3	1	0	0	0	0	0	0	0	0	4
80		1	3	1	0	0	0	0	0	0	0	0	4
81		1	3	1	0	0	0	0	0	0	0	0	4
82		1	3	1	0	0	0	0	0	0	0	0	4
83		1	3	1	0	0	0	0	0	0	0	0	4
84		1	3	1	0	0	0	0	0	0	0	0	4
85		1	3	1	0	0	0	0	0	0	0	0	4
86		1	3	1	0	0	0	0	0	0	0	0	4
87		1	3	1	0	0	0	0	0	0	0	0	4
88		1	3	1	0	0	0	0	0	0	0	0	4
89		1	3	1	0	0	0	0	0	0	0	0	4
90		1	3	1	0	0	0	0	0	0	0	0	4
91		1	3	1	0	0	0	0	0	0	0	0	4
92		1	3	1	0	0	0	0	0	0	0	0	4
93		1	3	1	0	0	0	0	0	0	0	0	4
94		1	3	1	0	0	0	0	0	0	0	0	4
95		1	3	1	0	0	0	0	0	0	0	0	4
96		1	3	1	0	0	0	0	0	0	0	0	4
97		1	3	1	0	0	0	0	0	0	0	0	4
98		1	3	1	0	0	0	0	0	0	0	0	4
99		1	3	1	0	0	0	0	0	0	0	0	4
100		1	3	1	0	0	0	0	0	0	0	0	4
MEAN													
S.D.													
TOTAL OBS.													

NOTE \* BASED ON LESS THAN FULL MONTHS

USAF ETAC FORM 0-88-5 (OLA)

## EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION 24-7-2 STATION NAME 16-1-2411-2-24 AF 2-34

44-35

YEARS

[illegible]

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- \*1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- \*2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

\*Values for means and standard deviations do not include measurements from incomplete months.

U.S. AIR FORCE  
 METEOROLOGICAL BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/MAL

# EXTREME VALUES

SURFACE WINDS

FROM DAILY OBSERVATIONS

STATION RIGHT-PATTERSON AFB OH

46-46

YEARS

## DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1	47.5	71.1	5.0	55.5	57.5	49.0	33.0	33.0	41.5	55.0	50.0	55	55
2	50.5	50.5	76.5	53.5	52.5	43.5	55.5	42.5	34.5	41.5	53.5	45	55
3	44.5	53.5	75.5	48.5	52.5	55.5	45.5	38.5	25.5	55.5	59.5	47	55
4	51.5	50.5	42.5	57.5	43.5	43.5	43.5	43.5	54.5	39.5	43.5	51	55
5	50.5	55.5	50.5	45.5	39.5	55.5	55.5	25.5	43.5	42.5	55.5	41	55
6	51.5	41.5	52.5	42.5	52.5	52.5	43.5	49.5	45.5	45.5	53.5	50	55
7	55.5	55.5	55.5	45.5	45.5	31.5	47.5	52.5	45.5	47.5	49.5	37	55
8	43.5	40.5	51.5	57.5	53.5	45.5	32.5	43.5	22.5	33.5	33.5	52	55
9	41.5	35.5	58.5	42.5	44.5	52.5	54.5	50.5	57.5	42.5	39.5	39	55
10	24.5	32.5	70.5	48.5	50.5	31.5	35.5	35.5	47.5	44.5	49.5	41	55
11	23.5	55.5	51.5	47.5	43.5	41.5	41.5	33.5	39.5	35.5	50.5	43	55
12	31.5	31.5	35.5	42.5	37.5	35.5	31.5	25.5	33.5	37.5	43.5	34	55
13	35.5	33.5	27.5	52.5	33.5	45.5	47.5	42.5	31.5	32.5	34.5	24	55
14	25.5	45.5	35.5	43.5	43.5	30.5	30.5	33.5	39.5	25.5	33.5	22	55
15	25.5	35.5	78.5	43.5	42.5	33.5	34.5	33.5	24.5	29.5	33.5	27	55
16	24.5	41.5	39.5	41.5	33.5	31.5	25.5	25.5	35.5	33.5	32.5	22	55
17	55.5	44.5	38.5	35.5	35.5	30.5	32.5	25.5	22.5	33.5	35.5	35	55
18	27.5	42.5	42.5	45.5	33.5	23.5	33.5	34.5	22.5	23.5	33.5	34	55
19	44.5	25.5	42.5	33.5	31.5	44.5	27.5	37.5	33.5	34.5	42.5	27	55
20	31.5	32.5	35.5	41.5	42.5	41.5	34.5	45.5	33.5	50.5	44.5	35	55
21	24.5	32.5	33.5	42.5	37.5	37.5	44.5	52.5	33.5	30.5	39.5	25	55
22	31.5	54.5	39.5	41.5	43.5	25.5	32.5	25.5	25.5	41.5	32.5	23	55
23	34.5	35.5	34.5	35.5	35.5	35.5	22.5	32.5	22.5	22.5	45.5	45	55
24	27.5	42.5	43.5	57.5	57.5	35.5	52.5	31.5	53.5	34.5	42.5	53	55
25	57.5	52.5	45.5	35.5	42.5	42.5	33.5	25.5	25.5	27.5	35.5	51	55
26	44.5	42.5	45.5	43.5	32.5	29.5	43.5	41.5	27.5	28.5	31.5	34	55
27	41.5	34.5	41.5	41.5	35.5	45.5	33.5	45.5	30.5	35.5	40.5	44	55
28	44.5	45.5	42.5	45.5	45.5	43.5	35.5	35.5	42.5	33.5	35.5	31	55
29	23.5	42.5	42.5	42.5	25.5	42.5	33.5	22.5	45.5	35.5	42.5	35	55
30	23.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	55
MEAN													
S.D.													
TOTAL OBS.													

NOTES: BASED ON LESS THAN FULL MONTHS

USAF ETAC FORM 0-88-5 (OLA)

BASED ON LESS THAN FULL MONTHS AND +100 KNOTS

## EXTREME VALUES

SURFACE DIVS

FROM DAILY OBSERVATIONS

14-00000 STATION NAME

$$45 = 25$$

YEAR:

## DAILY PEAK SURSTS IN KNOTS

[illegible]

VOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

1 (BASED ON LESS THAN FULL MONTHS AND +100 AND IS)



GLOBAL CLIMATOLOGY BRANCH  
USAF/CLAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: JAN HOURS (LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.8	1.9	2.2	.5								6.5	6.0
NNF	1.2	.5	1.1	.3	.1							3.2	5.5
NE	.9	.6	1.0	.1								2.6	5.7
ENE	.8	.4	.4									1.6	4.6
E	.8	1.7	.8									3.2	5.2
ESE	.6	.9										1.5	3.8
SE	.1	.9	.4	.3								1.7	7.3
SSE	1.0	.3	.8	.2								2.3	5.6
S	.6	1.3	1.9	1.1								4.9	7.7
SSW	1.3	1.6	1.7	1.7	.3							6.7	8.0
SW	1.5	1.4	1.3	.8		.2						5.2	7.3
WSW	.5	3.1	5.8	2.8	.6							12.9	9.1
W	1.3	2.9	4.2	2.7	1.9	.5	.1					13.7	10.3
WNW	1.2	1.7	2.6	2.4	.6							8.5	9.1
NW	.5	2.0	1.5	.5	.2							4.8	7.2
NNW	.5	2.0	1.3	.5								4.4	6.8
VARIABLE													
CALM	////////////////////											16.3	////
TOTALS	14.6	23.4	26.9	14.0	3.9	.8	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: JAN HOURS(FLST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	2.9	2.4	.1							6.3	5.9
NNE	1.0	1.1	.5	.5							3.1	5.8
NE	.9	.9	.5	.2							2.5	5.5
ENE	.4	.5	1.0		.1						2.0	6.9
E	1.1	1.2	.5	.1							2.9	4.6
ESE	.5	1.0	.2								1.7	4.8
SE	.5	.5	.2	.1							1.4	4.7
SSE	1.2	1.0	.5	.1							2.8	4.8
S	1.0	1.4	1.8	1.2	.1						5.5	7.6
SSW	1.0	1.6	2.4	.4	.1						5.5	7.0
SW	1.2	1.0	2.0	1.2	.4	.2					6.0	8.9
WSW	1.4	2.7	4.8	1.9	.2	.1					11.2	9.1
W	1.5	2.4	5.3	4.5	1.7	.3		.3			16.0	12.8
WNW	1.0	1.4	2.4	1.1	.3	.1					6.2	8.7
NW	1.2	1.7	1.2	.3							4.4	5.7
NNW	1.2	1.4	1.7	.6							4.9	6.3
VARIABLE												
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	17.4	////
TOTALS	15.9	22.6	27.5	12.5	3.0	.8		.3			100.0	6.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: JAN HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.4	1.9	1.3	.4							5.1	5.7
NNE	.6	1.4	.9	.3							3.2	5.1
NE	.6	.4	.8	.4							2.3	6.9
ENE	.6	.6	.9	.4	.1						2.7	6.9
E	.4	1.4	.5								2.4	5.2
ESE	.6	.5	.4	.3							1.9	5.9
SE	1.3	1.1	.3								2.7	3.8
SSE	1.2	1.7	.5								3.4	4.6
S	.6	2.5	1.0	.3	.2						4.6	6.3
SSW	1.0	1.1	1.8	.9	.1						4.8	7.5
SW	1.2	1.5	1.8	1.9	.5						7.0	8.8
WSW	1.1	3.9	3.5	1.7	.2	.1		.1			10.6	9.1
W	1.5	2.5	5.3	4.2	1.4	.4		.2			15.5	10.4
WNW	.6	1.7	3.0	1.9	.3	.1					7.7	9.9
NW	1.5	1.1	1.5	.3	.1						4.5	6.1
NNW	.9	1.5	1.6	.4							4.4	6.4
VARIABLE												
CALM	////////////////////										17.1	////
TOTALS	15.3	24.8	25.2	13.7	3.0	.6		.3			100.0	6.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: JAN HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.1	2.0	2.3	.6								6.0	6.6
NNE	.5	1.8	.8	.4								3.5	6.5
NE	.6	1.2	.9	.5								3.2	6.7
ENE	.6	.8	.5	.1	.1							2.2	5.9
E	1.0	1.6	.9	.2								3.7	5.5
ESE	1.0	.8	1.0									2.7	5.2
SE	.8	.8	.5									2.0	4.7
SSE	1.0	1.3	.8	.5								3.5	6.0
S	1.1	2.3	1.1	.5	.1							5.1	6.1
SSW	1.4	1.9	2.5	2.0	.1	.2						8.2	8.1
SW	1.1	1.5	1.9	1.4								5.9	7.6
WSW	.6	2.4	2.4	3.8	.6	.1	.1	.3				10.3	11.0
W	1.2	2.8	6.9	4.9	2.0	.6						18.5	10.6
WNW	.3	1.6	2.3	2.0	.2	.1						6.6	9.5
NW	.6	1.4	1.6	.9	.2							4.7	8.1
NNW	1.3	1.2	1.3	.6	.2							4.6	6.9
VARIABLE													
CALM	////////////////////											9.2	////
TOTALS	14.2	25.3	27.4	18.7	3.7	1.1	.1	.3				100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: JAN HOURS(EST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.0	2.4	2.5	1.0								6.8	6.8
NNF	.6	.5	.8	.8								2.7	7.4
NF	.4	.6	.8	.2								2.0	6.7
ENE	.2	.6	.6	.3								1.8	7.5
E	1.0	1.6	.9	.4								3.9	5.7
ESE	.8	1.0	.8									2.5	5.1
SE	.5	1.5	1.1	.1								3.2	5.9
SSE	.4	1.1	1.2	.4								3.1	7.0
S	.9	1.3	3.0	1.1								6.2	7.5
SSW	1.0	1.3	2.2	.9	.3	.2						5.8	9.0
SW	.6	1.8	1.8	2.6	.9			.1				7.8	10.3
WSW	.5	2.7	2.9	3.1	1.1	.4	.4					11.2	11.4
W	.5	2.7	5.4	8.1	2.5	.6	.1					19.9	12.0
WNW	.3	1.4	2.7	2.8	.6	.1						9.3	10.7
NW	.1	1.3	3.2	1.7	.2							6.6	9.2
NNW	.8	2.2	1.8	.4								5.2	6.5
VARIABLE													
CALM	////////////////////											3.3	////
TOTALS	9.7	24.0	31.5	23.9	5.6	1.4	.5	.1				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: JAN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	3.3	2.8	.5							7.6	6.5
NNE	.4	.6	.9	.5							2.5	8.0
NE	.6	.8	1.0								2.4	5.5
ENE	.8	1.0	.2	.4							2.4	6.0
E	1.1	1.5	1.2	.1							3.9	5.5
ESE	.4	.9	1.1	.2							2.6	6.4
SE	.5	.5	1.4	.2							2.7	6.6
SSE	.4	.6	1.2	.2							2.5	7.0
S	.5	1.7	3.8	1.3							7.3	8.2
SSW	.3	1.7	1.8	.6	.2						4.7	8.3
SW	.6	1.0	1.8	1.8	.3	.2					5.8	9.9
WSW	.3	2.9	2.8	2.6	.6	.6	.4				10.3	11.0
W	.9	2.5	5.8	7.6	2.9	.4	.1				20.2	11.7
WNW	.2	1.1	3.1	3.4	1.3	.2					9.4	11.6
NW	.1	1.4	3.4	1.7	.1						6.8	9.1
NNW	.9	1.4	2.6	.9							5.7	7.5
VARIABLE												
CALM	////////////////////										3.3	////
TOTALS	9.1	22.9	34.8	22.3	5.5	1.5	.5				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: JAN HOURS(LST): 1800-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.7	2.3	2.0	.3								7.3	5.2
NNE	1.7	1.6	.6	.3								3.5	5.7
NE	.6	.6	1.2	.3								2.8	6.4
ENE	.2	1.0	.3	.1								1.6	5.5
E	1.1	1.0	.4									2.5	4.4
ESE	1.4	1.8	.5	.1								3.9	4.6
SE	.2	.4	1.1	.2								1.9	6.9
SSE	.5	1.4	1.1	.4								3.4	5.6
S	.5	2.7	1.5	1.1								5.8	6.9
SSW	.8	1.9	1.6	.5	.1							4.9	6.9
SW	.6	1.3	1.2	1.4		.2						4.7	8.7
WSW	1.8	1.7	1.4	1.7	1.0	.6	.5					8.8	11.0
W	.5	3.5	6.2	4.9	1.2	.4	.1					17.0	13.3
WNW	.9	2.6	2.5	2.6	.9	.3						9.7	9.9
NW	.6	2.4	1.7	1.1								5.8	7.4
NNW	1.0	1.4	2.0	.8								5.2	7.1
VARIABLE													
CALM	////////////////////											11.1	////
TOTALS	14.5	27.6	25.5	15.9	3.1	1.6	.6					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFITAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: JAN HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.4	2.0	1.5	.3								5.3	5.6
NNE	1.0	1.4	.8	.8								3.9	6.9
NE	1.1	.9	.4	.4								2.8	5.8
ENE	.9	.6	.6	.1								2.3	5.1
E	.5	1.0	.6									2.2	5.5
ESE		1.1	.1	.1								1.3	5.7
SE	1.2	.5	1.2									2.9	5.5
SSE	.5	1.2	1.1	.2								3.0	6.1
S	1.2	2.7	1.2	1.0	.2							6.2	7.1
SSW	1.2	1.6	1.3	.4	.3							4.6	6.4
SW	1.3	1.2	2.0	1.9	.1	.1						6.7	9.3
WSW	.9	1.3	2.4	1.9	.6	.2						7.3	9.9
W	2.0	2.9	5.4	3.4	1.6	.8	.2					16.3	10.0
WNW	1.2	1.4	2.4	2.9	.4	.2						8.5	9.5
NW	.4	2.0	1.5	1.2	.6							5.8	8.8
NNW	1.0	2.2	1.9	.1								5.2	6.1
VARIABLE													
CALM	////////////////////											15.8	////
TOTALS	15.7	24.0	24.4	14.8	3.8	1.3	.2					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: JAN HOURS(EST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.4	2.4	2.1	.5							6.4	6.1
NNE	.8	1.1	.8	.5	.0						3.2	6.5
NE	.7	.8	.8	.3							2.6	6.2
ENE	.6	.7	.6	.2	.0						2.1	6.1
E	.9	1.4	.7	.1							3.1	5.2
ESE	.7	1.0	.5	.1							2.3	5.2
SE	.6	.8	.8	.1							2.3	5.7
SSE	.8	1.1	.9	.3							3.0	6.0
S	.8	2.0	1.9	.9	.1						5.7	7.2
SSW	1.0	1.6	1.9	.9	.2	.1					5.7	7.7
SW	1.0	1.3	1.7	1.6	.3	.1		.0			6.1	9.8
WSW	.9	2.6	3.3	2.4	.6	.3	.2	.1			10.3	9.9
W	1.2	2.8	5.6	5.1	1.9	.5	.1	.1			17.1	10.8
WNW	.7	1.6	2.6	2.4	.6	.1					8.1	9.8
NW	.6	1.7	2.0	1.0	.2						5.4	7.9
NNW	.9	1.7	1.8	.6	.0						4.9	6.7
VARIABLE												
CALM	////////////////////										11.7	////
TOTALS	13.6	24.3	27.9	17.0	3.9	1.1	.3	.1			100.0	7.3

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOHAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHFR SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-95  
MONTH: FEB HOURS(LST): 0300-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-59		
N	1.2	2.1	2.4	1.2	.1							6.9	7.2
NNE	1.5	.7	1.4	.2								3.9	5.5
NE	.6	1.2	.7	.8								3.3	7.1
ENE	.4	.7	.7	.2								2.0	6.4
E	.7	1.5	.1	.1								2.5	4.9
ESE	.6	.7	.4	.1								1.9	4.8
SE	1.1	.5	.1	.1								1.8	4.1
SSE	1.3	1.1	.6	.6								3.5	5.9
S	1.5	2.6	.8	.2								5.2	4.9
SSW	1.4	1.9	2.1	.6				.1				6.1	6.7
SW	.9	1.4	.9	1.4		.1						4.7	8.1
WSW	.8	1.5	2.6	1.4	.5							6.8	8.7
W	1.2	2.0	3.9	2.2	.2							9.5	8.4
WNW	.8	1.5	2.5	1.2								6.0	7.5
NW	.2	.8	2.0	.4								3.4	7.6
NNW	.8	.8	1.2	.6								3.4	6.9
VARIABLE													
CALM	////////////////////											29.1	////
TOTALS	15.0	21.1	22.4	11.4	.8	.1		.1				100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: FEB HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.6	.1	1.9	.7	.2							5.6	7.5
NNE	.9	.9	2.2	.4	.1							4.6	5.7
NE	.8	1.3	.4	.5	.1							3.1	6.5
ENE	.6	.6	.7									1.9	5.6
E	.9	1.4	.8	.2								3.4	5.7
ESE	1.1	.1	.7									1.9	4.7
SE	1.1	.2	.5									1.8	4.0
SSE	1.5	.6	.9	.6								3.7	5.1
S	1.1	1.7	1.1	.6								4.4	6.0
SSW	.8	3.0	2.0	1.2								7.0	6.7
SW	1.1	1.3	1.8	.5								4.6	6.5
WSW	1.1	2.0	1.8	1.5								6.4	7.6
W	1.2	2.1	3.7	1.8	.1							8.9	8.1
WNW	.7	1.1	1.8	.9								4.5	7.9
NW	.5	1.7	1.1	.5	.1							3.8	6.9
NNW	.8	2.2	1.4	.4								4.8	6.1
VARIABLE													
CALM	////////////////////////////////////											29.8	////
TOTALS	14.8	22.3	22.7	9.7	.7							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745703 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: FEB HOURS(EST): 0600-0900

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.2	2.4	1.9	.4	.2						6.0	6.6
NNE	1.2	.7	2.0	.1	.2						4.2	5.6
NE	.4	1.3	.7	.1	.1						2.6	6.3
ENE	.7	1.2	.5	.4							2.7	5.9
E	1.2	.7	1.1	.5							3.4	5.4
ESE	.4	.6	.6	.2							1.8	5.3
SE	.8	.8	.1	.1							1.9	4.6
SSE	2.2	1.5	.5	.1							4.4	4.3
S	1.7	3.2	1.9								6.7	5.5
SSW	.7	1.9	2.7	.8	.1						6.2	7.8
SW	.6	.9	1.4	.8	.1						3.9	9.2
WSW	1.2	2.0	2.2	1.5	.5	.1					7.5	8.3
W	.7	2.6	1.7	1.8	.4						7.1	9.6
WNW	.9	1.1	1.8	.9							4.7	7.3
NW	.6	1.1	1.2	.5							3.3	6.7
NNW	.8	1.2	1.1	.5							3.5	6.6
VARIABLE												
CALM	////////////////////										30.0	////
TOTALS	15.2	23.1	21.2	8.7	1.7	.1					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 848

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: FEB HOURS(1ST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	2.6	3.3	.6	.5						7.9	7.7
NNE	.7	.8	1.5	.1	.1	.2					3.5	7.8
NE	.8	.7	.6	.1							2.2	5.3
ENE	.4	.8	1.3	.2	.1	.2					3.1	8.5
E	.7	1.6	1.1	.4							3.8	6.3
ESE	.6	.7	1.4	.1							2.8	6.1
SE	1.4	1.1	.6								3.1	4.1
SSE	1.8	1.5	.7	.2							4.2	4.8
S	1.1	2.5	1.9	1.4	.1	.1					7.1	7.5
SSW	1.2	2.5	4.0	1.3	.1						9.1	7.6
SW	.9	1.1	2.1	1.4	.7	.1					6.4	9.2
WSW	.6	1.6	2.6	1.8	.6	.1					7.3	9.5
W	.6	2.2	3.2	3.1	.8	.4					10.2	10.4
WNW	.6	.7	1.2	1.1	.4						3.9	9.0
NW	.2	1.3	1.2	.2	.2						3.2	7.9
NNW	.4	1.4	2.1	.6							4.5	7.2
VARIABLE												
CALM	////////////////////										17.8	////
TOTALS	12.8	23.2	28.7	12.6	3.7	1.2					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: FEB HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	1.6	3.4	1.2	.5						7.3	8.5
NNE	.4	.5	1.9	.1	.1						2.9	7.5
NE	.1	.9	.4	.1		.2					1.8	8.9
ENE	.5	1.2	.9	.5		.1					3.2	8.0
E	.6	.8	1.4	.1							2.9	6.3
ESE	.2	1.8	1.8								3.8	6.3
SE	.8	.6	.6	.2							2.2	5.6
SSE	1.2	2.2	.9	.2							4.6	5.5
S	.8	2.7	1.8	1.3		.1					6.7	7.3
SSW	1.4	1.8	3.4	3.1	.7						10.4	9.3
SW	1.1	2.7	2.0	3.4	.6	.2					10.0	9.6
WSW	.6	1.1	2.2	1.5	1.4	.2					7.1	11.2
W	1.4	1.8	4.5	4.2	1.4	.5					13.8	10.6
WNW	.5	1.6	1.4	1.6	.6	.1					5.9	9.5
NW	.6	.7	1.9	1.1	.1						4.4	8.6
NNW	1.1	2.1	2.7	.5							6.4	6.5
VARIABLE												
CALM	////////////////////////////////////										6.7	////
TOTALS	11.8	24.1	31.2	19.2	5.4	1.5					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: FEB HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	2.7	4.2	1.6	.1						9.8	8.0
NNE		.6	2.0	.6	.1						3.3	8.8
NE	.4	.8	1.2	.2	.1						2.7	7.7
ENE	.6	1.3	.4	.6							2.8	6.7
E	.6	1.5	1.1	.2							3.4	5.9
ESE	1.1	2.1	1.4								4.6	5.4
SE	.6	1.3	1.1	.1							3.1	5.9
SSE	1.2	1.5	.7	.4							3.8	5.6
S	1.1	2.0	2.4	1.4							6.8	7.3
SSW	.8	1.8	2.8	2.6	.7						8.7	9.6
SW	.6	2.6	1.5	2.8	.8						8.4	10.1
WSW	.2	2.1	2.0	2.1	.4						6.8	9.4
W	.8	1.5	4.6	6.1	1.4						14.5	11.0
WNW	.1	1.1	1.9	3.3	.5						6.8	10.7
NW	.4	1.5	2.4	1.3							5.5	8.2
NNW	.9	2.8	1.5	.6	.1						6.0	6.4
VARIABLE												
CALM	////////////////////										2.9	////
TOTALS	10.4	27.3	31.1	24.0	4.2						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: FEB HOURS(LST): 1800-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.4	3.5	2.5	.9	.5	.1					9.0	7.2
NNE	.8	1.1	1.5	.5							3.9	5.6
NE	1.2	1.4	1.5	.4							4.5	6.1
ENE	.8	.4	.5	.5							2.1	6.4
E	2.0	1.1	.7								3.8	4.2
ESE	1.3	1.2	.7								3.2	4.8
SE	.8	1.1	.4	.1							2.4	4.5
SSE	.9	2.2	.9	.1							4.2	5.3
S	.6	3.2	3.4	.7							7.9	7.4
SSW	1.5	2.6	1.6	1.2	.2						7.2	6.6
SW	1.6	1.3	1.8	1.3	.1						6.1	7.3
WSW	.9	.9	1.6	.2	.1						3.9	6.7
W	1.2	3.5	4.8	2.6	.8						13.0	8.6
WNW	1.3	1.2	2.8	2.0							7.3	8.1
NW	.9	.9	2.2	.5	.1						4.7	7.2
NNW	1.3	1.5	.9	.2							4.0	5.5
VARIABLE												
CALM	////////////////////										13.0	////
TOTALS	18.7	27.1	28.0	11.2	1.9	.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 849



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: FEB HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.5	2.2	2.0	.7	.2	.2						6.9	7.5
NNE	1.8	1.2	1.5	.2								4.7	5.6
NE	.6	.9	1.4	.6	.1							3.7	7.6
ENE	.7	.8	.2	.4								2.1	5.7
E	.4	.9	.5									1.8	5.4
ESE	.9	.8	.6	.1								2.5	5.0
SE	.4	.5	.4									1.2	5.1
SSE	1.2	2.0	.2	.2								3.7	4.5
S	1.3	2.5	2.6	.9								7.3	6.7
SSW	1.3	2.1	.7	.8	.2							5.2	6.8
SW	1.1	.9	1.8	1.2		.2						5.2	8.3
WSW	1.1	1.8	1.1	.6	.2							4.7	6.8
W	.5	3.8	3.8	2.2	.4							10.6	8.5
WNW	1.6	1.5	2.0	.7								5.9	8.4
NW	.5	.8	1.4	.6								3.3	7.5
NNW	1.5	.8	1.8	.7								4.8	6.6
VARIABLE													
CALM	////////////////////											26.5	////
TOTALS	16.3	23.7	21.9	10.0	1.2	.5						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: FEB HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	2.4	2.7	.9	.3	.0					7.4	7.6
NNE	.9	.8	1.8	.3	.1	.0					3.9	6.8
NE	.6	1.1	.9	.4	.1	.0					3.0	6.8
ENE	.6	.9	.6	.3	.0	.0					2.5	6.8
E	.9	1.2	.8	.2							3.1	5.7
ESE	.8	1.0	.9	.1							2.8	5.5
SE	.9	.8	.5	.1							2.2	4.8
SSE	1.4	1.6	.7	.3							4.0	5.2
S	1.1	2.5	2.0	.8	.0	.0					6.5	6.7
SSW	1.1	2.2	2.4	1.4	.3			.0			7.5	7.8
SW	1.0	1.5	1.7	1.6	.3	.1					6.2	8.7
WSW	.8	1.6	2.0	1.3	.5	.1					6.3	8.7
W	.9	2.4	3.8	3.0	.7	.1					10.9	9.4
WNW	.8	1.2	1.9	1.5	.2	.0					5.6	8.3
NW	.5	1.1	1.7	.6	.1						3.9	7.6
NNW	1.0	1.6	1.6	.5	.0						4.7	6.5
VARIABLE												
CALM	////////////////////										19.5	////
TOTALS	14.4	24.0	25.9	13.4	2.4	.4		.0			100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 6798

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAR HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.4	1.7	.8	.5	.2						4.6	6.2
NNE	1.3	2.0	.9		.1						4.3	5.2
NE	1.3	1.9	1.0	.5							4.7	5.9
ENE	.8	1.2	1.4	.5							3.9	6.9
E	.8	2.3	1.6	.3							4.9	6.0
ESE	.9	1.0	.5	.1							2.5	4.7
SE	.6	.8	1.2	.2							2.8	6.1
SSE	1.3	1.0	.8	.8							3.8	6.1
S	.4	1.4	1.5	1.4	.2						4.9	8.7
SSW	1.1	1.4	1.9	.9	.2						5.5	7.6
SW	1.0	1.1	1.8	1.0	.3						5.2	7.9
WSW	1.0	.4	1.8	.8	.1						4.1	7.8
W	1.6	3.0	2.4	1.8	.4						9.2	7.6
WNW	1.0	1.8	1.9	1.4	.1	.2					6.5	8.2
NW	1.1	2.0	1.7	.8	.1						5.7	7.3
NNW	1.3	1.5	1.6	.4							4.8	6.2
VARIABLE												
CALM	////////////////////										22.6	////
TOTALS	16.7	24.5	22.8	11.4	1.8	.2					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAR HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.6	2.8	1.1	.8	.1						6.3	6.1
NNE	.9	2.2	.4								3.4	4.6
NE	1.6	.6	.9	1.1							4.2	6.5
ENE	.6	1.3	1.7	.3							4.0	6.6
E	.8	1.6	1.1	.1							3.5	5.7
ESE	.8	1.3	.5	.3							2.9	5.6
SE	1.0	1.4	.9								3.2	4.9
SSE	.8	.5	.6	.5							2.5	6.9
S	1.6	2.8	1.0	1.0							6.3	5.9
SSW	1.0	1.4	2.0	1.6		.1					6.1	8.4
SW	1.0	1.4	1.3	1.2		.1					4.9	7.7
WSW	1.3	.9	1.2	.6	.5						4.5	8.0
W	1.5	2.3	2.5	1.1	.2	.1					7.6	7.6
WNW	1.0	.8	2.9	1.6	.6	.1					7.0	9.2
NW	.8	1.6	.9	.3	.1						3.7	6.4
NNW	1.6	2.2	1.2	.4		.1					5.5	5.9
VARIABLE												
CALM	////////////////////										24.2	////
TOTALS	17.6	24.9	20.1	11.0	1.6	.5					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAR HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.2	3.3	1.1	.4	.2						7.2	5.5
NNE	1.4	1.3	.6	.1							3.4	4.8
NE	1.2	1.5	1.2	.4	.4						4.7	7.0
ENE	.3	1.6	1.7	.2							3.9	6.8
E	.4	1.2	1.6	.3							3.5	6.8
ESE	.5	1.2	.3								2.0	5.0
SE	1.3	1.5	.6	.1							3.5	4.9
SSE	1.4	1.4	.8	.3							3.9	5.2
S	1.9	3.2	2.0	1.0	.1	.1					8.4	6.5
SSW	1.1	2.3	2.4	1.2							6.9	7.3
SW	1.7	.8	1.3	1.3	.1	.1					5.3	7.7
WSW	.9	.8	1.1	.9							3.5	7.5
W	1.2	1.5	2.3	1.9	.4						7.3	8.8
WNW	1.5	1.9	1.5	1.5	.2	.1					6.8	7.9
NW	.5	1.8	.8	.3							3.4	6.3
NNW	1.3	1.7	.6	.1	.1	.3					4.2	6.7
VARIABLE												
CALM	////////////////////										21.9	////
TOTALS	18.8	27.0	19.9	10.1	1.6	.6					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/TAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745703 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAR HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	3.4	2.5	.9							7.7	6.7
NNE	.6	1.7	1.2	.1							3.7	5.9
NE	.6	1.1	1.0	.5	.2	.1					3.5	8.1
ENE	.6	.4	1.8	.4							3.3	7.1
E	1.1	2.0	2.9	1.3							7.3	7.2
ESE	.4	1.5	1.5	.4							3.9	6.9
SE	.5	1.6	.6	.6							3.4	6.7
SSE	1.2	2.5	2.0	.6							6.3	5.5
S	1.1	2.3	2.8	1.4							7.5	7.5
SSW	1.2	1.7	2.2	2.4	.3						7.7	8.8
SW	.1	1.2	1.6	3.1	.8						6.8	11.0
WSW	.3	1.3	2.9	2.6	.2	.1					7.4	9.8
W	.3	1.6	2.4	3.4	.5	.5					8.8	11.1
WNW	.4	1.1	3.2	1.4	.3						6.5	9.3
NW	.4	.6	2.2	.8	.3	.2					4.5	9.8
NNW	1.2	2.4	1.9	.8		.1					6.3	6.7
VARIABLE												
CALM	////////////////////										5.2	////
TOTALS	11.2	26.5	32.7	20.8	2.7	1.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/TAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.5	2.3	2.9	.4							7.1	6.5
NNE	.6	.6	.4	.3							2.0	6.4
NE	.3	1.3	1.0	.8	.2						3.5	8.5
ENE	.3	.4	1.5	.4							2.7	8.2
E	.5	1.1	2.3	1.2							5.1	9.1
ESE	.5	1.4	2.4	.4							4.7	7.3
SE	.2	1.1	1.6	.5							3.4	7.9
SSE	.3	.8	1.6	.5	.2						3.4	8.6
S	1.2	1.5	2.3	1.0	.5						6.5	8.0
SSW	.6	1.6	2.4	4.5	1.1	.2					10.4	11.3
SW	.3	.2	2.2	3.8	.5	.4					7.4	12.4
WSW	.3	1.6	2.8	2.2	.5	.2					7.6	10.3
W	.6	1.8	4.1	5.5	1.4	.9	.2				14.5	12.0
WNW	.2	1.1	3.3	2.2	.3	.1					7.2	10.2
NW	.4	1.4	2.3	1.6	.1	.6					6.5	10.3
NNW	.5	2.6	1.9	1.1							6.1	7.4
VARIABLE												
CALM	////////////////////										1.7	////
TOTALS	8.7	20.8	34.8	26.3	4.9	2.5	.2				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.5	3.9	1.5	1.0							7.8	6.1
NNE	.3	1.7	1.1	.5	.1						3.8	7.5
NE	.4	.8	1.3	.5	.1						3.1	8.4
NNE	.6	.8	1.2	.9							3.4	7.8
E	1.1	1.4	3.2	.6							6.3	7.0
ESE	.3	1.3	2.2	.1							3.9	7.2
SE	.2	1.2	.8	.2	.1						2.5	7.3
SSE	.3	1.1	1.0	.3		.1					2.8	7.8
S	.8	1.4	2.2	1.3	.3	.1					6.0	8.8
SSW	.4	1.2	2.0	3.3	1.4	.2					8.6	11.8
SW	.3	.2	1.2	2.4	.8	.5					5.4	13.8
WSW	.3	2.0	1.2	2.6	.5	.1					6.8	10.4
W	.2	1.4	4.3	5.4	1.6	.4					13.3	12.0
WNW	.6	1.2	4.1	4.0	.6						10.5	10.5
NW	.4	1.6	2.5	2.7	.4						7.6	9.6
NNW	.6	2.0	2.5	1.3	.2						6.7	8.0
VARIABLE												
CALM	////////////////////										1.4	////
TOTALS	8.6	23.1	32.0	27.1	6.2	1.5					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAR HOURS(LST): 1800-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.6	2.4	1.7	.1							6.8	4.8
NNE	1.2	1.0	1.8	.5							4.5	5.7
NE	.8	1.2	1.3	.6							3.9	7.2
ENE	1.4	1.8	1.0	.5							4.7	5.8
E	1.3	3.1	2.2	.2							6.8	5.5
ESE	1.0	2.3	.5	.1							3.9	4.6
SE	.5	.5	.5	.1							1.7	5.4
SSE	.8	1.7	.4	.9							3.8	6.7
S	1.0	2.0	2.0	1.5	.2	.1					6.9	8.2
SSW	.9	1.4	1.9	2.3	.6						7.1	9.7
SW	1.1	.8	1.0	1.1							3.9	7.4
WSW	.4	1.0	1.2	1.4	.3	.1					4.4	13.0
W	1.3	2.3	3.1	3.2	.5						10.4	9.1
WNW		3.0	4.0	2.0	.4						9.5	9.0
NW	1.7	2.0	3.7	1.5	.3	.1					9.4	8.0
NNW	.6	1.7	2.3	.9							5.5	7.3
VARIABLE												
CALM	////////////////////////////////////										7.0	////
TOTALS	16.5	28.2	28.6	17.0	2.5	.3					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAR HOURS(EST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.2	1.1	1.0	.1	.2							3.5	6.1
NNE	1.6	2.3	1.1	.2								5.2	5.3
NE	1.6	2.3	1.3	.5								5.7	5.7
ENE	.5	1.0	1.4	.8								3.7	7.4
E	.6	2.5	1.7	.1								4.9	6.2
ESE	1.2	1.2	.9									3.2	4.8
SE	.5	.4	.4	.3								1.7	6.3
SSE	.8	1.2	1.4	.9								4.2	6.7
S	1.0	1.3	3.5	.8		.1						6.7	7.9
SSW	.4	1.4	1.7	1.4								4.9	9.6
SW	.9	.3	1.0	.6	.1							2.9	7.6
WSW	.6	1.7	1.0	1.9	.2							5.5	9.6
W	1.0	2.3	2.7	1.5	.1							7.5	7.7
WNW	.8	2.6	2.2	1.6	.2							7.2	8.0
NW	.8	1.9	3.9	.9	.1	.1						7.6	7.9
NNW	1.5	1.2	1.6	.8								5.1	7.0
VARIABLE													
CALM	////////////////////											20.4	////
TOTALS	14.9	24.4	26.7	12.4	1.0	.2						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAR HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63	
N	1.6	2.6	1.6	.5	.1						6.4	6.0
NNE	1.0	1.6	.9	.2	.0						3.8	5.8
NE	1.0	1.3	1.1	.6	.1	.0					4.2	7.0
ENE	.7	1.1	1.5	.5							3.7	7.0
E	.8	1.9	2.1	.5							5.3	6.6
ESE	.7	1.4	1.1	.2							3.4	5.9
SE	.6	1.1	.8	.3	.0						2.8	6.2
SSE	.8	1.3	1.1	.6	.0	.0					3.8	5.7
S	1.1	2.0	2.2	1.2	.2	.1					6.7	7.6
SSW	.8	1.5	2.1	2.2	.5	.1					7.2	9.5
SW	.8	.7	1.4	1.8	.3	.1					5.2	9.9
WSW	.6	1.2	1.6	1.6	.3	.1					5.5	9.3
W	1.0	2.0	3.0	3.0	.7	.2	.0				9.9	9.9
WNW	.7	1.7	2.9	2.0	.4	.1					7.6	9.1
NW	.8	1.6	2.2	1.1	.2	.1					6.0	8.4
NNW	1.1	1.9	1.7	.7	.0	.1					5.5	6.9
VARIABLE												
CALM	////////////////////										13.1	////
TOTALS	14.1	24.9	27.2	17.0	2.8	.9	.0				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: APR HOURS: 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.0	2.1	1.6	.7								5.3	6.4
NNE	1.2	1.6	.6	.2								3.6	5.2
NE	1.7	2.4	1.0		.1							5.2	5.0
ENE	.8	1.3	.8	.3								3.2	6.0
E	1.0	1.4	.6	.7	.1							3.8	6.8
ESE	.9	.4	.4									1.8	4.4
SE	.2	.7	.2									1.1	5.4
SSE	.8	1.3	.4	.2								2.8	5.4
S	.7	1.4	2.3	.3	.1							4.9	7.4
SSW	.3	1.8	1.2	1.1								4.4	7.9
SW	1.4	1.7	1.4	.9	.1							5.6	6.7
WSW	.7	1.9	1.3	1.0	.1	.1						5.1	7.8
W	1.0	1.7	2.1	1.7	.1	.1						6.7	8.4
WNW	.3	1.4	1.6	1.1		.2						4.7	8.8
NW	.4	1.4	1.3	.6	.2		.1					4.1	8.6
NNW	.6	1.1	1.0	.3								3.0	6.1
VARIABLE													
CALM	////////////////////											34.8	////
TOTALS	13.0	23.8	17.9	9.1	.9	.4	.1					100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: APR HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL &	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.2	2.9	1.0	.4							5.6	5.4
NNE	1.3	.7	.6	.1							2.7	4.5
NE	1.1	1.3	.3								2.8	4.2
ENE	1.0	1.3	1.4	.3							4.1	5.9
E	1.0	1.2	1.3	.8	.1						4.4	7.1
ESE	.8	.9	.1	.2							2.0	4.6
SE	.7	.7	.4								1.8	4.5
SSE	1.3	1.1	.2	.1							2.8	4.1
S	.8	1.3	1.4	.6	.3						4.4	7.7
SSW	1.0	2.6	1.3	.4		.1					5.4	6.3
SW	.4	2.1	.8	.9	.7		.1				5.0	9.1
WSW	.4	1.6	1.3	1.2	.2						4.8	8.4
W	1.7	1.7	1.1	1.2	.6						6.2	7.4
WNW	.7	1.1	1.9	1.2							4.9	8.0
NW	.8	2.0	.8	.4	.3						4.3	7.1
NNW	.7	1.1	1.0	.4							3.2	7.0
VARIABLE												
CALM	////////////////////										35.6	////
TOTALS	14.9	23.6	15.1	8.4	2.2	.1	.1				100.0	4.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: APR HOURS(1ST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	1.2	1.2	.6							4.0	6.4
NNE	1.4	1.0	1.3	.6							4.3	5.9
NE	.9	1.7	.7	.2							3.4	5.3
ENE	1.3	1.7	.8	.3							4.1	5.2
E	.4	1.8	2.2	.8							5.2	7.4
ESE	1.6	.9	.2	.2							2.9	4.5
SE	.9	.8		.1							1.8	4.4
SSE	1.2	.9	1.0	.7							3.8	6.4
S	1.1	2.8	.7	.6	.1						5.2	6.0
SSW	1.3	1.8	1.9	1.1	.1						6.2	7.2
SW	1.7	1.3	2.2	1.1	.4	.1					6.9	7.9
WSW	.7	1.7	1.4	1.7	.1	.2					5.8	8.8
W	.2	1.2	1.7	.8	.4						4.3	9.0
WNW	.6	1.9	2.0	1.0	.4						5.9	8.4
NW	.6	1.8	.8	.6							3.7	6.8
NNW	.3	1.3	1.4	.6							3.7	7.2
VARIABLE												
CALM	////////////////////										28.8	////
TOTALS	15.2	23.7	19.6	10.8	1.7	.3					100.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: APR HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	1.0	1.9	.9	.2						4.2	9.1
NNE	1.0	1.2	1.8	1.0							5.0	7.5
NE	.3	.7	.9	.1							2.0	6.3
ENE	.6	2.0	.7	.3							3.6	6.1
E	.9	2.9	2.7	1.0	.2						7.7	7.6
ESE	1.0	1.8	1.7	1.0							5.4	6.7
SE	.4	2.0	.7	.4	.1						3.7	6.6
SSE	1.1	1.7	1.4	.2	.1						4.6	6.4
S	1.2	2.2	2.6	1.1							7.3	7.3
SSW	1.4	2.1	2.0	1.8	.3	.1					7.8	8.3
SW	.8	1.1	3.2	1.7	.3	.1					7.2	9.3
WSW	1.3	1.4	3.2	3.0	.2	.3					9.6	9.5
W	.9	1.4	3.0	3.7	.8	.3	.1				10.2	10.8
WNW	.4	1.3	1.9	2.6	.3	.1					6.7	10.0
NW	.2	1.1	1.9	1.4	.1						4.8	9.1
NNW	.7	2.0	2.7	.7		.1					6.1	7.2
VARIABLE												
CALM	////////////////////										4.4	////
TOTALS	12.6	26.0	32.1	20.9	2.8	1.1	.1				100.0	8.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: APR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	2.3	1.6	.3	.2						4.9	6.9
NNE	.4	1.3	1.1	.7							3.6	7.4
NE	.1	.8	1.6	.8							3.2	9.1
ENE	.9	1.3	1.1	.3							3.7	6.0
E	.4	1.3	1.7	.8							4.2	7.4
ESE	.4	2.0	1.0	.8							4.2	7.0
SE	.1	1.4	.3	.6							2.4	7.1
SSE	.7	1.2	1.4	.4	.1						3.9	6.7
S	.4	1.6	2.3	1.3	.1	.2					6.0	8.7
SSW	.7	1.1	3.1	3.6	.7	.1					9.2	10.2
SW	.3	.7	1.8	3.1	.6	.6					7.0	12.1
WSW	.9	2.0	3.8	3.3	.8	.7					11.4	10.9
W	1.0	2.9	3.3	3.6	1.7	.4					12.9	10.5
WNW	1.0	1.7	2.2	2.4	.3	.2					7.9	9.4
NW	.6	1.0	2.8	2.8	.1						7.2	9.9
NNW	1.0	1.3	2.6	1.0	.1						6.0	7.8
VARIABLE												
CALM	////////////////////										2.2	////
TOTALS	9.4	24.0	31.7	25.8	4.7	2.2					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: APR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.8	1.8	3.0	1.0	.1							6.7	7.9
NNE	.6	1.2	1.0	.6	.1							3.4	7.6
NE	.2	1.0	.7	1.3								3.2	9.0
ENE	.2	1.0	1.4	.4								3.1	7.5
E	.7	1.1	1.8	.8	.1							4.4	7.9
ESE	.4	1.4	1.4	.1								3.4	6.2
SE	.3	.7	.3	.1								1.4	6.2
SSE	.6	1.8	.8	.3								3.4	6.1
S	.4	2.2	2.2	1.2	.2		.1					6.4	8.5
SSW	.8	1.7	2.8	3.7	1.1							10.0	10.4
SW	.8	1.9	2.2	2.1	.6	.3						7.9	9.7
WSW	.8	2.6	2.1	2.9	.4	.3		.1				9.2	10.1
W	.2	1.9	3.7	4.2	2.0	.6	.1					12.7	12.3
WNW	.8	.9	3.7	3.1	.4	.1						9.0	10.2
NW	.6	.7	2.9	2.6	.2							6.9	9.8
NNW	.8	1.9	2.8	1.3	.1							6.9	7.8
VARIABLE													
CALM	////////////////////											1.8	////
TOTALS	8.9	23.7	32.8	25.8	5.4	1.3	.2	.1				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: APR HOURS(LST): 1800-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.0	2.7	1.7	.6	.1						7.0	5.8
NNE	.6	1.7	1.6	.9	.2						4.9	7.9
NE	1.0	1.3	1.6	1.2							5.1	7.4
ENE	.9	1.2	.7	.2							3.0	5.4
E	1.8	2.6	1.4	.2							6.0	5.4
ESE	1.4	1.0	.4	.1							3.0	4.7
SE	.4	.6	.1								1.1	4.3
SSE	.3	1.1	.6								2.0	5.2
S	.8	2.6	2.7	.8							6.8	7.0
SSW	1.2	2.3	1.9	1.3	.6						7.3	8.2
SW	1.4	2.0	1.7	1.8	.3	.1					7.3	8.2
WSW	1.7	1.2	1.2	1.4	.1	.1					5.8	7.5
W	.4	3.4	2.8	3.0	.8	.1					10.6	9.4
WNW	.7	1.4	3.4	2.0	.4						8.0	9.1
NW	.9	1.3	2.1	1.1	.1						5.6	7.8
NNW	.7	2.9	3.1	.7	.2						7.6	7.2
VARIABLE												
CALM	////////////////////										9.0	////
TOTALS	16.2	29.3	26.9	15.3	2.9	.3					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: APR HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.3	2.0	1.1	.4								4.9	5.8
NNE	1.3	.9	1.1	.7								4.0	6.2
NE	.9	2.4	1.6	.2								5.1	5.7
ENE	1.4	1.4	.9	.6								4.3	5.6
E	1.8	.8	.7	.6								3.8	5.4
ESE	.9	.7	.4	.1								2.1	4.7
SE	1.0	.6	.4									2.0	4.3
SSE	1.1	1.1	.3									2.6	4.2
S	.6	1.9	2.3	.7								5.4	7.1
SSW	.9	2.3	1.1	.6	.3							5.2	7.1
SW	2.2	2.2	1.0	.7	.1	.3						6.6	6.6
WSW	1.1	1.4	.6	.8	.2	.2						4.1	7.1
W	1.7	2.4	3.1	.8	.3	.2						8.6	7.5
WNW	1.0	1.0	.9	1.0	.2	.2						4.3	8.5
NW	.7	.9	1.9	.7								4.1	7.5
NNW	.7	.7	1.0	.9								3.2	7.8
VARIABLE													
CALM	////////////////////											29.7	////
TOTALS	18.6	22.8	18.4	8.6	1.2	.8						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: APR HOURS(EST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	2.0	1.6	.6	.1						5.3	6.6
NNE	1.0	1.2	1.1	.6	.0						3.9	5.7
NE	.8	1.5	1.0	.5	.0						3.8	6.4
ENE	.9	1.4	1.0	.4							3.6	5.9
E	1.0	1.6	1.5	.7	.1						4.9	6.9
ESE	.9	1.1	.7	.3							3.1	5.7
SE	.5	.9	.3	.2	.0						1.9	5.6
SSE	.9	1.3	.8	.2	.0						3.2	5.8
S	.7	2.0	2.1	.8	.1	.0	.0				5.8	7.4
SSW	1.0	2.0	1.9	1.7	.4	.0					7.0	8.5
SW	1.1	1.6	1.8	1.5	.4	.2	.0				6.7	8.8
WSW	.9	1.7	1.9	1.9	.3	.2		.0			7.0	9.2
W	.9	2.1	2.6	2.4	.8	.2	.0				9.0	9.8
WNW	.7	1.3	2.2	1.8	.3	.1					6.4	9.2
NW	.6	1.3	1.8	1.3	.1		.0				5.1	8.5
NNW	.7	1.5	1.9	.7	.1	.0					5.0	7.3
VARIABLE												
CALM	////////////////////										18.3	////
TOTALS	13.6	24.6	24.3	15.6	2.7	.8	.1	.0			100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 7230

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAY HOURS(LOCAL): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.4	3.2	.6	.4							5.7	5.0
NNE	1.3	2.3	.9	.3							4.7	5.2
NE	2.0	1.7	.6	.1							4.5	4.0
ENE	1.3	.5	.2	.1							2.2	4.0
E	.8	.8	.3								1.8	4.0
ESE	.6	.5	.4								1.6	4.8
SE	.6	.6	.4								1.7	4.6
SSE	1.2	.8	.5								2.5	4.4
S	1.8	2.6	.9	.2							5.5	4.8
SSW	2.3	2.2	1.0	.2							5.6	4.5
SW	2.9	2.5	1.9	.2							7.5	4.8
WSW	1.1	2.3	1.4								4.7	5.1
W	1.1	1.0	1.0								3.0	5.1
WNW	.5		.4	.2							1.2	6.6
NW	.9	.3	.4	.2							1.8	5.7
NNW	1.0	1.4	.8	.3							3.4	5.7
VARIABLE												
CALM	////////////////////										42.5	////
TOTALS	20.8	22.6	11.8	2.4							103.0	2.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAY HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.9	3.1	.5	.5	.1						7.2	4.9
NNE	1.5	1.6	1.4	.3							4.8	5.3
NE	2.7	1.0	.5								4.2	3.5
ENE	.9	.8									1.6	3.3
E	.8	1.1	.4								2.3	4.7
ESE	.5	.6	.4								1.6	4.7
SE	1.0	.4									1.4	2.6
SSE	1.9	.1	.1	.2							2.4	3.4
S	2.9	1.8	1.0	.1	.1						5.9	4.5
SSW	1.8	2.2	2.0	.2							6.2	5.3
SW	1.8	2.4	1.5	.2	.1						6.0	5.4
WSW	1.4	1.3	1.4								4.1	5.1
W	.6	1.3	.5	.1							2.6	5.1
WNW	.3	.5	.3								1.2	5.3
NW	.3	.6	1.0	.2							2.2	6.7
NNW	.5	1.2	.9								2.6	5.7
VARIABLE												
CALM	////////////////////										43.8	////
TOTALS	21.9	20.0	12.0	1.9	.3						100.0	2.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAY HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.5	3.2	2.0	1.0							8.7	6.0
NNE	1.6	2.0	1.0	.3							4.9	5.3
NE	1.4	1.7	1.2	.2							4.5	5.1
ENE	1.3	1.5	.8								3.5	4.6
E	1.2	1.4	.6	.1							3.3	4.9
ESE	.8	1.1	.3	.1							2.3	4.5
SE	1.4	.5	.2								2.2	3.3
SSE	1.7	1.1	.3	.2							3.3	4.0
S	2.6	3.7	.5	.2							7.0	4.4
SSW	1.9	2.3	2.6	.8							7.5	6.1
SW	1.8	2.3	1.6	.8	.1						6.6	6.1
WSW	1.0	1.5	2.5								4.9	6.1
W	.3	1.3	.8	.2							2.6	6.2
WNW	.8	.4	.3								1.5	4.3
NW	.5	.5	1.1								2.2	6.2
NNW	.3	1.4	1.1	.1							2.9	5.9
VARIABLE												
CALM	////////////////////										32.0	////
TOTALS	21.1	25.9	16.9	4.0	.1						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAY HOURS(EST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.5	2.8	3.3	1.1	.2						8.9	7.0
NNE	1.1	1.5	1.7	1.2							5.5	7.4
NE	.6	.6	1.6	.1							3.0	6.4
ENE	1.1	1.1	.9	.2							3.2	5.4
E	2.2	2.5	1.4	.5							6.6	5.3
ESE	1.0	2.9	.4	.3							4.6	5.1
SE	1.4	1.2	.9								3.4	4.8
SSE	1.0	.9	.8								2.6	4.5
S	1.3	2.2	1.9	.9							6.2	6.3
SSW	1.0	2.2	3.0	1.5	.2						7.8	7.9
SW	.6	1.3	4.3	2.0	.3						8.6	9.1
WSW	1.0	3.2	4.5	1.8							10.5	7.8
W	1.0	2.5	2.5	1.4	.2						7.5	7.7
WNW	.4	.8	1.4	.4							3.0	7.5
NW	.4	1.5	2.3	.5							4.7	7.2
NNW	1.3	2.8	2.0	.2							6.3	5.9
VARIABLE												
CALM	////////////////////////////////////										7.3	////
TOTALS	16.8	29.8	32.9	12.3	1.0						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAY HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.6	2.7	3.4	1.0	.3						9.0	7.3
NNE	.9	2.8	1.6	1.1							6.3	6.9
NE	.8	1.1	1.0	.9							3.7	6.9
ENE	.9	1.0	.9	.2							2.9	5.9
E	1.5	1.9	.9	.5							4.8	5.7
ESE	1.2	1.0	.5	.2							2.9	4.8
SE	.6	.8	.4	.2							2.0	5.4
SSE	1.0	1.6	1.7	.2							4.5	6.1
S	.9	1.7	1.8	.5							4.9	6.7
SSW	1.4	1.4	3.5	2.3	.6	.4					9.7	9.6
SW	.8	1.6	2.7	2.3	.1	.2					7.6	9.4
WSW	.5	3.3	4.7	3.8							12.4	8.8
W	.6	1.7	3.7	2.0	.3						8.4	9.2
WNW	.8	1.0	1.9	1.0	.1						4.7	8.1
NW	1.3	1.4	2.3	1.0							5.9	7.1
NNW	1.0	2.8	2.3	.4							6.5	6.5
VARIABLE												
CALM	////////////////////										3.7	////
TOTALS	15.6	27.7	33.3	17.5	1.5	.6					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAY HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.9	3.5	2.7	1.1							9.2	5.4
NNE	1.1	2.2	2.3	.3							5.8	6.4
NE	.8	.5	1.3	.5	.1						3.2	7.5
ENE	.8	2.2	1.1	.1							4.1	5.6
E	1.5	1.6	.8	.2							4.1	5.1
ESE	.6	.6	.8								2.0	5.6
SE	.3	.3	.4	.1							1.2	5.8
SSE	.6	1.6	1.6	.4							4.3	6.6
S	.8	2.3	2.7	1.1							6.8	7.4
SSW	1.0	2.3	2.5	1.7	.3	.3					8.1	8.6
SW	.9	1.9	2.3	2.8	.3						8.2	9.2
WSW	.3	1.7	4.6	2.6	.1						9.4	9.4
W	1.4	2.9	3.5	1.4	.2						9.5	7.7
WNW	.5	1.2	2.2	1.9	.3						6.1	9.2
NW	1.1	1.7	3.0	.9							6.7	7.3
NNW	.9	2.4	2.7	1.1	.1						7.1	7.4
VARIABLE												
CALM	////////////////////										4.3	////
TOTALS	14.4	28.9	34.3	16.2	1.5	.3					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAY HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.3	4.3	2.2	.8							9.5	5.7
NNE	.5	1.6	2.3	.8							5.2	7.5
NE	1.4	2.5	.9	.2							5.0	5.2
ENE	.5	1.0	.5								2.0	5.2
E	2.2	1.6	.1								3.9	3.7
ESE	.6	.8	.6	.1							2.2	5.3
SE	.8	1.0	.8								2.5	5.0
SSE	.9	2.0	1.0								3.9	5.2
S	.3	4.2	2.8	.4							7.8	6.4
SSW	1.2	2.5	2.5	1.0							7.1	7.0
SW	2.3	2.3	1.3	.8		.1					6.7	6.0
WSW	1.5	2.7	2.6	.4							7.2	6.2
W	2.3	1.8	3.1	.1	.2						7.5	5.9
WNW	1.1	1.7	1.5	1.1							5.6	6.7
NW	.5	2.0	1.5	.2	.1						4.4	6.5
NNW	1.6	1.6	3.2	.6							7.1	6.7
VARIABLE												
CALM	////////////////////										12.5	////
TOTALS	20.2	33.6	26.8	6.5	.3	.1					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAY HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.3	2.7	.6	.2								5.8	4.6
NNE	1.7	1.8	1.0	.1								4.6	4.8
NE	2.2	1.7	.6									4.5	4.1
ENE	1.1	.8	.5	.1								2.5	4.7
E	1.1	1.0										2.0	3.3
ESE	.6	.9	.5									2.0	4.7
SE	1.5	.8	.3									2.6	3.7
SSE	1.0	1.6	.6	.2								3.5	5.1
S	1.6	3.2	1.9	.2								7.0	5.4
SSW	1.4	2.6	1.3	.3		.1						5.7	5.9
SW	3.8	2.9	.6	.5								7.9	4.0
WSW	2.0	2.0	.9	.1								5.1	4.4
W	1.7	1.9	.8	.1								4.5	4.6
WNW	.9	.6	.2	.3								2.0	5.5
NW	.1	.6	.9	.2								1.8	7.1
NNW	.8	1.0	1.5	.3								3.6	6.3
VARIABLE													
CALM	////////////////////											34.7	////
TOTALS	23.7	26.2	12.4	2.8		.1						100.0	3.2

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAY HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.0	3.2	1.9	.8	.1						8.0	6.0
NNE	1.2	2.0	1.5	.6							5.2	6.2
NE	1.5	1.4	1.0	.3	.0						4.1	5.2
ENE	1.0	1.1	.6	.1							2.8	5.0
E	1.4	1.5	.6	.2							3.6	4.8
ESE	.8	1.0	.5	.1							2.4	5.0
SE	1.0	.7	.4	.0							2.1	4.4
SSE	1.2	1.2	.8	.2							3.4	5.1
S	1.5	2.7	1.7	.5	.0						6.4	5.7
SSW	1.5	2.2	2.3	1.0	.1	.1					7.2	7.1
SW	1.9	2.1	2.0	1.2	.1	.0					7.4	6.9
WSW	1.1	2.3	2.8	1.1	.0						7.3	7.2
W	1.1	1.8	2.0	.7	.1						5.7	7.0
WNW	.7	.8	1.0	.6	.1						3.2	7.4
NW	.6	1.1	1.5	.4	.0						3.7	6.9
NNW	.9	1.8	1.8	.4	.0						4.9	6.4
VARIABLE												
CALM	////////////////////										22.6	////
TOTALS	19.3	26.8	22.6	7.9	.6	.1					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 7435

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUN HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.2	1.7	.9	.2							4.0	5.1
NNE	1.1	1.1	.4	.1							2.8	4.7
NE	1.0	1.9	.4								3.3	4.6
ENE	1.9	.8	.2								2.9	3.2
E	1.6	.7	.1	.1							2.4	3.6
ESE	.8	.8									1.6	3.4
SE	1.0	.2	.4								1.7	3.7
SSE	1.7	1.1	.2								3.0	3.4
S	2.4	1.9	1.0	.1	.1						5.6	4.8
SSW	3.4	3.9	1.2	.3	.1						9.0	4.7
SW	3.3	2.6	2.2	.4							8.6	5.2
WSW	1.0	1.6	1.1	.3							4.0	5.6
W	1.3	.6	.3								2.2	3.5
WNW		.7	.4	.1	.1						1.3	7.7
NW	.2	.2	.2	.2							.9	7.4
NNW	.9	.6	.3	.1							1.9	4.9
VARIABLE												
CALM	////////////////////										44.9	////
TOTALS	22.9	20.1	9.7	2.1	.3						100.0	2.6

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUN HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.6	1.2	.9									2.7	5.4
NNE	1.4	.9	.3									2.7	3.7
NE	2.1	1.3	.7									4.1	3.9
ENE	1.1	.7	.1									1.9	3.8
E	1.1	.8										1.9	3.2
ESE	1.4	.3	.1									1.9	2.8
SE	1.9	.3	.4									2.7	3.5
SSE	1.3	1.0	.1									2.4	3.3
S	1.3	1.9	.4	.2								3.9	4.6
SSW	2.8	4.0	.8	.3								7.9	4.4
SW	1.0	3.3	1.9	.7								6.9	6.1
WSW	1.2	1.8	1.8	.2								5.0	5.8
W	.6	1.2	.7	.1								2.6	5.4
WNW	.7	.7		.1								1.4	4.1
NW	.4	.7	.2	.1								1.4	5.8
NNW	.7	1.6	.3	.6								3.1	6.4
VARIABLE													
CALM	////////////////////											47.6	////
TOTALS	19.7	21.7	8.8	2.3								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUN HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.0	2.1	.9	.1	.	.1						5.0	5.1
NNE	1.4	2.1	.4									4.0	4.1
NE	1.7	2.0	.6	.1								4.3	4.4
ENE	1.4	1.3	.1									2.9	3.7
E	.9	.9	.4									2.2	4.4
ESE	1.0	.6	.1									1.7	3.3
SE	.8	.8	.4									2.0	4.2
SSE	1.7	1.4	.6									3.7	4.2
S	3.1	2.7	.8	.3								6.9	4.5
SSW	2.6	3.4	1.3	.3								7.7	5.1
SW	1.3	3.0	2.7	.6								7.6	6.4
WSW	1.0	2.2	3.4	.7								7.3	7.0
W	.7	1.2	1.8	1.0								4.7	7.4
WNW	.3	1.3	.4	.2								2.3	6.3
NW	.9	1.0	.7	.2								2.8	5.6
NNW	.9	1.3	.8		.3							3.3	6.5
VARIABLE													
CALM	////////////////////////////////////											31.7	////
TOTALS	21.4	27.4	15.4	3.6	.3	.1						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUN HOURS(EST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.8	2.9	1.6	.4							6.7	5.6
NNE	1.2	1.7	1.1	.3							4.3	5.5
NE	.8	.8	.8								2.3	5.5
ENE	.8	1.7	.7								3.1	5.1
E	.9	1.8	.8	.1							3.6	5.6
ESE	1.3	1.2	.2	.2							3.0	4.3
SE	1.0	1.3	.3	.1							2.8	4.3
SSE	1.0	1.7	.4	.2							3.3	5.1
S	1.1	2.9	2.3	.7	.2						7.2	6.9
SSW	1.1	2.6	2.8	1.1	.1						7.7	7.3
SW	1.1	2.3	3.6	2.2	.1						9.3	8.1
WSW	2.2	2.2	5.4	3.3							13.2	8.2
W	1.3	3.0	3.4	2.2							10.0	8.0
WNW	1.0	1.6	1.9	.3							4.8	6.3
NW	.2	1.4	2.1	.7							4.4	7.5
NNW	1.1	2.6	1.8	.6	.1						6.1	6.4
VARIABLE												
CALM	////////////////////										8.1	////
TOTALS	18.0	31.6	29.2	12.6	.6						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUN HOURS(IST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.2	3.2	3.3	.2							8.0	6.3
NNE	.6	1.4	1.2	.4							3.7	6.8
NE	.4	.9	.9	.2							2.4	6.7
ENE	.6	.7	.7	.1							2.0	6.3
E	1.0	1.7	.6	.3							3.6	5.2
ESE	.4	1.1	1.0								2.6	5.7
SE	.4	.8	.7								1.9	5.4
SSE	1.1	1.2	.7	.1							3.1	4.9
S	.7	3.7	2.6	.8	.1						7.8	7.1
SSW	.8	2.1	3.2	2.0	.4						8.6	8.5
SW	.6	1.6	3.0	4.4	.7	.1					10.6	13.5
WSW	.8	2.6	3.8	3.4	.8						11.3	9.8
W	1.3	2.7	3.9	3.6	.4						11.9	8.9
WNW	.9	2.1	2.1	1.2	.1						6.4	7.6
NW	.2	1.6	2.3	.9	.1						5.1	8.2
NNW	1.3	1.9	3.4	1.1	.2						8.0	7.5
VARIABLE												
CALM	////////////////////										3.1	////
TOTALS	12.3	29.3	33.3	18.9	2.9	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.4	4.0	3.1	.6							10.1	5.9
NNE	.6	2.0	2.0	.2	.1						4.9	6.5
NE	.3	1.2	1.0	.1							2.7	6.3
ENE	.8	1.2	.2	.1							2.3	5.0
E	1.0	.7	1.0	.2							2.9	6.2
ESE	.8	1.1	.4								2.3	4.5
SE	.9	.8	.2								1.9	3.9
SSE	.7	.7	.4								1.8	4.9
S	1.1	3.1	2.6	1.1							7.9	7.0
SSW	.9	2.4	3.3	2.8	.4	.1					10.0	9.2
SW	.6	2.2	3.8	2.9	1.0						10.4	9.8
WSW	.6	2.4	4.0	4.7	.6						12.2	9.7
W	.8	1.8	3.7	2.6	.6						9.3	9.3
WNW	.2	.6	2.6	1.4	.2						5.0	9.7
NW	.8	1.3	2.7	.7	.2						5.7	8.1
NNW	.9	3.2	2.8	.6	.3						7.8	7.0
VARIABLE												
CALM	////////////////////										2.8	////
TOTALS	13.2	28.8	33.8	17.9	3.4	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUN HOURS(IST): 1800-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.6	4.6	2.1	.4							9.7	5.3
NNE	1.1	1.3	1.4	.3							4.2	5.9
NE	1.2	2.0	.8								4.0	4.6
ENE	1.2	1.2	.6								3.0	4.6
E	1.7	1.8	.1	.2							3.8	4.1
ESE	.9	1.7	.3								2.9	4.5
SE	1.0	1.0	.3								2.3	4.4
SSE	1.0	1.3	.3	.2							2.9	4.7
S	.9	2.4	2.6	.8							6.7	6.8
SSW	1.6	4.6	2.6	2.2	.1						11.0	7.2
SW	2.0	2.4	3.9	1.4	.2						10.0	7.4
WSW	1.8	3.0	2.7	1.0	.1						8.6	6.7
W	1.8	2.0	2.6	.7	.2	.1					7.3	7.0
WNW	.8	1.2	1.2	.7							3.9	7.1
NW	1.1	1.4	1.2	.9	.1						4.8	7.1
NNW	1.0	2.0	2.4	.9	.1						6.4	7.5
VARIABLE												
CALM	////////////////////										8.6	////
TOTALS	21.6	34.0	25.1	9.8	.9	.1					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUN HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.0	2.6	.8								5.3	4.4
NNE	1.3	.8	.8	.1							3.0	4.9
NE	1.3	2.7	.4	.1							4.6	4.5
ENE	1.0	.8	.3								2.1	4.1
E	2.4	1.0	.1								3.6	3.0
ESE	1.1	.4	.3								1.9	4.2
SE	.3	.8	.4								1.6	5.0
SSE	1.7	1.7	.6		.1						4.0	4.6
S	2.0	2.6	1.7	.1	.1						6.4	5.2
SSW	3.2	4.1	2.3	.4							10.1	5.0
SW	3.6	3.2	2.0	.6							9.3	5.0
WSW	1.7	1.9	.7	.2							4.4	4.9
W	1.3	.6	.6								2.4	4.5
WNW	.6	.4	.1	.3	.1						1.6	6.6
NW	.4	.3	.4	.1							1.3	6.1
NNW	1.3	1.6	.9	.3							4.1	5.4
VARIABLE												
CALM	////////////////////////////////////										34.2	////
TOTALS	25.3	25.3	12.4	2.3	.3						100.0	3.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUN HOURS(1ST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.7	2.8	1.7	.2		.0						6.4	5.1
NNE	1.1	1.4	1.0	.2	.0							3.7	5.4
NE	1.1	1.6	.7	.1								3.5	4.9
ENE	1.1	1.0	.4	.0								2.5	4.4
E	1.3	1.2	.4	.1								3.0	4.5
ESE	1.0	.9	.3	.0								2.2	4.2
SE	.9	.7	.4	.0								2.1	4.3
SSE	1.3	1.3	.4	.1	.0							3.0	4.4
S	1.6	2.6	1.7	.5	.1							6.5	6.0
SSW	2.0	3.4	2.2	1.2	.2	.0						9.0	6.5
SW	1.7	2.6	2.9	1.7	.2	.0						9.1	7.5
WSW	1.3	2.2	2.9	1.7	.2							8.3	7.4
W	1.1	1.6	2.1	1.3	.2	.0						6.3	7.8
WNW	.6	1.1	1.1	.6	.1							3.3	7.3
NW	.5	1.0	1.2	.5	.1							3.3	7.3
NNW	1.0	1.8	1.6	.5	.1							5.1	6.7
VARIABLE													
CALM	////////////////////////////////////											22.6	////
TOTALS	19.3	27.3	21.0	8.7	1.1	.1						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 7230

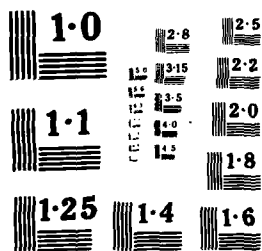
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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-94  
MONTH: JUL HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.6	2.2	.3									5.1	3.6
NNE	1.8	.8	.2									2.8	3.1
NE	1.5	.4	.1									2.0	2.8
ENE	1.5	.1	.2									1.8	2.9
E	.5	.5										1.1	3.2
ESE	.6	.1										.8	2.6
SE	1.0	.4	.1									1.5	3.3
SSE	2.2	.5	.2									2.9	2.9
S	2.7	2.2	.4	.1								5.4	4.1
SSW	3.1	3.0	.8	.1								7.0	3.8
SW	2.7	2.3	1.0									5.9	4.1
WSW	1.3	2.2	1.3	.3								5.1	5.4
W	1.5	1.0	1.3									3.8	4.9
WNW	.6	.3	.2									1.2	4.2
NW	.1	.6	.3									1.1	6.0
NNW	.5	1.1	.4									2.0	4.7
VARIABLE													
CALM	////////////////////////////////////											50.6	////
TOTALS	24.3	17.6	6.9	.5								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUL HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.4	2.0	.2								4.6	3.7
NNE	2.0	.4	.2								2.7	2.9
NE	2.5	.8	.3								3.5	3.1
ENE	.9	.3	.1								1.3	3.1
E	.6	.2									.9	2.9
ESE	.3	.4									.8	3.6
SE	1.0	.2									1.2	2.1
SSE	2.0	.8	.1								2.9	3.0
S	3.3	2.3	.2								5.8	3.6
SSW	2.2	1.4	.6								4.2	4.0
SW	1.9	1.4	.9								4.2	4.4
WSW	1.0	2.0	2.2								5.2	5.8
W	1.0	1.2	1.2								3.3	5.1
WNW	.4	.9		.1							1.4	4.6
NW	.6	.3	.1								1.1	3.2
NNW	.3	1.2	.5	.1							2.2	5.7
VARIABLE												
CALM	////////////////////										54.8	////
TOTALS	22.5	15.8	6.7	.2							100.0	1.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUL HOURS(EST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.7	2.2	.3	.1								4.3	4.2
NNE	3.4	1.4	.1									4.9	2.9
NE	3.2	1.2	.3									4.7	3.0
ENE	1.0	.4	.2									1.6	3.3
E	1.1	.4	.1									1.6	3.3
ESE	.6	.6	.1									1.4	3.7
SE	1.7	.6	.3									2.7	3.4
SSE	2.8	1.0	.1									3.9	2.9
S	3.1	2.0	.2									5.4	3.4
SSW	2.4	2.9	1.8									7.1	5.0
SW	2.0	2.2	1.8	.2								6.2	5.1
WSW	1.5	2.2	1.5	.4								5.6	5.9
W	2.7	1.5	1.3									5.5	4.4
WNW	.5	.6	.4				.1					1.7	6.1
NW	1.1	.9	.3	.1								2.4	4.5
NNW	1.0	1.1	.3									2.4	4.2
VARIABLE													
CALM	////////////////////											38.6	////
TOTALS	29.9	21.2	9.4	.9			.1					103.0	2.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUL HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.3	2.5	1.0	.3								6.0	5.1
NNE	2.4	2.0	.9									5.3	4.3
NE	1.3	2.3	.8									4.3	4.5
ENE	1.3	2.0	.2									3.5	4.2
E	1.8	1.3	.8									3.9	4.2
ESE	.9	2.2	.3									3.3	4.5
SE	.5	1.0	.3									1.8	4.2
SSE	1.0	1.8	.2									3.0	4.1
S	1.9	1.6	1.3									4.8	4.7
SSW	1.7	2.3	2.7									6.7	5.6
SW	1.3	3.0	4.0	.5	.1							8.9	6.8
WSW	1.2	3.3	5.4	1.0	.1							11.0	7.3
W	3.0	4.2	2.9	1.1	.1							11.3	6.0
WNW	1.3	2.4	1.1	.3								5.1	5.5
NW	.6	2.4	.9	.3								4.2	5.9
NNW	2.4	1.6	2.3	.1								6.3	5.1
VARIABLE													
CALM	////////////////////											10.5	////
TOTALS	24.8	35.8	24.8	3.7	.3							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUL HOURS(EST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.3	2.8	1.7	.5							7.3	5.5
NNE	1.7	2.0	1.4	.1							5.3	5.1
NE	1.0	1.7	1.1	.1							3.9	5.3
ENE	1.0	1.6	.8								3.3	4.9
E	2.2	2.5	.6								5.3	4.1
ESE	.6	1.1	.9								2.6	5.3
SE	.6	.9	.1								1.6	4.0
SSE	.9	1.5	.2								2.6	4.3
S	1.1	2.3	2.2	.1							5.6	5.9
SSW	1.3	2.7	2.2	.6							6.8	6.2
SW	.5	1.9	3.4	1.7							7.6	8.0
WSW	1.2	2.7	4.7	1.7							10.3	7.8
W	1.8	4.1	5.5	2.5	.1						14.0	7.7
WNW	1.7	2.9	2.0	.6							7.3	6.1
NW	1.2	1.5	2.2	.3							5.2	6.3
NNW	1.3	3.0	1.9	.3							6.6	5.7
VARIABLE												
CALM	////////////////////										4.8	////
TOTALS	20.3	35.2	30.9	8.7	.1						105.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 145700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUL HOURS: 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.3	3.3	3.4	.5							9.6	6.0
NNE	1.7	2.8	.9	.2							5.6	5.0
NE	1.9	1.9	.8	.1							4.7	4.6
ENE	1.3	1.1	.5	.3							3.2	5.0
E	1.9	1.8	.4								3.7	4.3
ESE	1.0	1.4	.4								2.8	4.2
SE	.6	.6	.9								2.2	5.3
SSE	.8	1.5	1.1								3.3	5.8
S	.9	4.0	1.7	.2	.1						6.9	5.7
SSW	1.0	3.0	3.3	.9							8.2	6.8
SW	1.0	2.3	2.6	.5	.1						6.5	7.2
WSW	1.4	2.6	3.7	1.9	.2						9.8	8.0
W	1.8	3.1	4.1	2.5	.1						12.6	7.8
WNW	.9	1.8	2.3	1.0							5.9	7.3
NW	.8	1.9	1.8	.2							4.7	6.1
NNW	1.7	3.8	1.5	.4							7.4	5.5
VARIABLE												
CALM	////////////////////										4.0	////
TOTALS	20.3	37.0	29.4	8.8	.5						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUL HOURS(1ST): 1800-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	3.2	3.7	1.3	.2								8.4	4.5
NNE	2.0	2.5	.6	.1								5.3	4.4
NE	2.0	2.0	.6	.2								4.9	4.5
ENE	1.6	1.1	.4	.1								3.2	4.2
E	2.3	1.0										3.2	3.2
ESE	1.7	1.3	.1	.1								3.2	3.7
SE	1.2	.6	.2									2.0	3.6
SSE	1.3	2.4	.8	.1								4.5	4.5
S	1.4	6.2	2.5									10.1	5.2
SSW	2.9	3.2	1.3	.1								7.5	4.4
SW	2.7	1.8	1.5	.2								6.2	4.8
WSW	1.9	3.2	2.4	.8	.1							8.4	6.2
W	2.6	3.8	3.1	.8	.1	.1						10.4	6.2
WNW	1.2	1.2	.8	.1								3.2	5.2
NW	.6	1.5	.5	.4								3.1	6.1
NNW	1.2	2.4	1.0	.1								4.6	5.2
VARIABLE													
CALM	////////////////////											11.5	////
TOTALS	29.9	37.8	17.1	3.3	.2	.1						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUL HOURS(IST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.3	3.3	3.4	.5								9.6	6.0
NNE	1.7	2.8	.9	.2								5.6	5.0
NE	1.9	1.9	.8	.1								4.7	4.6
ENE	1.3	1.1	.5	.3								3.2	5.0
E	1.4	1.8	.4									3.7	4.3
ESE	1.0	1.4	.4									2.8	4.2
SE	.6	.6	.9									2.2	5.3
SSE	.8	1.5	1.1									3.3	5.4
S	.9	4.0	1.7	.2	.1							6.9	5.7
SSW	1.0	3.0	3.3	.9								8.2	6.8
SW	1.0	2.3	2.6	.5	.1							6.5	7.1
WSW	1.4	2.6	3.7	1.9	.2							9.8	8.0
W	1.8	3.1	4.1	2.5	.1							11.6	7.8
WNW	.9	1.8	2.3	1.0								5.9	7.1
NW	.8	1.9	1.8	.2								4.7	6.1
NNW	1.7	3.8	1.5	.4								7.4	5.5
VARIABLE													
CALM	////////////////////											4.0	////
TOTALS	20.3	37.0	29.4	8.8	.5							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAF/CLTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUL HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.9	.8	.4	.1							3.2	5.7
NNE	1.6	.8	.5								2.9	5.7
NE	2.7	1.3	.2	.1							4.3	3.5
ENE	.8	.5									1.3	3.1
	1.5	.6									2.2	2.7
E	1.9	.3	.1								2.4	2.9
SE	.9	.2	.1								1.2	3.5
SSE	1.5	2.0	.2								3.8	3.7
S	2.4	3.4	.6								6.5	4.1
SSW	3.7	3.3	.2								7.2	3.4
SW	2.9	1.9	.9								5.7	3.9
WSW	2.3	3.0	.1	.2							5.6	4.1
W	2.4	1.9	.3	.1							4.7	3.8
WNW	1.0	.2	.3	.1							1.6	4.9
NW	.9	.6	.1	.1							1.7	4.1
NNW	.4	1.6	.6	.1							2.8	5.4
VARIABLE												
CALM	////////////////////										43.0	////
TOTALS	28.6	22.7	4.8	.9							100.0	2.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUL HOURS(1ST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.3	2.4	1.1	.2								6.1	4.8
NNE	2.1	1.6	.6	.1								4.3	4.1
NE	2.0	1.5	.5	.1								4.1	4.0
ENE	1.2	.9	.3	.1								2.4	4.1
E	1.4	1.0	.2									2.7	3.7
ESE	1.0	.9	.2	.0								2.2	4.0
SE	.9	.6	.3									1.8	3.8
SSE	1.5	1.4	.4	.0								3.4	3.9
S	2.1	3.0	1.1	.1	.0							6.3	4.7
SSW	2.3	2.7	1.6	.2								6.8	5.0
SW	1.9	2.1	2.0	.4	.0							6.4	5.7
WSW	1.5	2.6	2.6	.8	.1							7.6	5.6
W	2.1	2.6	2.5	.9	.1	.0						8.1	6.3
WNW	1.0	1.3	.9	.3			.0					3.4	5.9
NW	.7	1.2	.8	.2								2.9	5.7
NNW	1.1	2.0	1.1	.1								4.3	5.3
VARIABLE													
CALM	////////////////////											27.2	////
TOTALS	25.1	27.9	16.2	3.4	.1	.0	.0					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-94  
MONTH: AUG HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-58	
N	3.8	1.8	.4								6.0	3.4
NNE	3.9	1.8	.1								5.8	3.0
NE	2.8	.3	.2								3.3	2.6
ENE	.8	.1									.9	2.4
E	.6	.1									.8	2.6
ESE	.3										.3	2.0
SE	.9	.2									1.1	2.8
SSE	1.5	.3									1.8	2.7
S	2.8	3.3	.2								6.3	3.8
SSW	2.9	2.7	.3								5.9	3.5
SW	2.6	1.9	.6								5.2	3.9
WSW	1.1	1.3	.6								3.0	4.6
W	1.0	1.0	.9	.2							3.0	5.7
WNW	.4	.1	.1	.1							.8	5.9
NW	.4	.1									.5	3.0
NNW	.5	.6	.3								1.5	4.8
VARIABLE												
CALM	////////////////////										53.8	////
TOTALS	26.2	15.8	3.9	.3							100.0	1.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/CIAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: AUG HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.9	2.0	.6								6.6	3.5
NNE	3.9	.6	.1								4.6	2.5
NE	3.0	.6	.1								3.8	2.7
ENE	.4	.1									.5	2.4
E	.5	.1									.6	2.2
ESE	1.1	.4									1.5	2.9
SE	.9	.2									1.1	2.3
SSE	1.8	.6	.1								2.6	2.8
S	2.9	2.7	.1								5.7	3.3
SSW	3.3	2.9	.3	.1							6.7	3.7
SW	2.2	2.0	.8								4.9	4.4
WSW	1.3	1.0	.9								3.1	4.8
W	.9	.8	.8								2.4	4.8
WNW	.4	.4	.1								1.0	3.9
NW	.3		.1								.4	3.8
NNW	.4	1.1									1.5	3.9
VARIABLE												
CALM	////////////////////										53.0	////
TOTALS	27.2	15.7	4.0	.1							100.0	1.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: AUG HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	3.5	2.9	.6	.1								7.2	3.9
NNE	3.8	1.9	.1									5.8	3.0
NE	2.8	1.1	.5									4.4	3.4
ENE	.6	.4										1.1	3.0
E	.4	.5	.1									1.1	4.4
ESE	.9	.4										1.3	3.0
SE	.4	.1										.5	3.4
SSE	2.4	.8	.2									3.3	3.0
S	3.0	2.9	.8									6.7	3.9
SSW	2.5	3.2	1.4	.1								7.2	4.7
SW	2.7	2.6	1.0	.2	.1							6.6	4.8
WSW	2.5	1.7	1.0	.2								5.4	4.5
W	1.0	.6	.2									1.8	3.8
WNW	.2	.1	.3									.6	5.5
NW	.2	.1	.3									.6	5.5
NNW	.5	.9		.1								1.5	4.2
VARIABLE													
CALM	////////////////////											44.8	////
TOTALS	27.4	20.3	6.6	.8	.1							100.0	2.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: AUG HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.0	3.1	1.9	.1								7.2	5.2
NNE	2.2	2.2	.6	.1								5.1	4.3
NE	1.6	2.4	1.6									5.6	5.1
ENE	2.7	2.3	.8									5.7	3.9
E	1.7	1.8	1.0	.1								4.6	4.7
ESE	1.3	1.3	.3	.1								3.0	4.2
SE	1.0	1.1	.2									2.3	4.0
SSE	1.4	1.3	.1									2.8	3.9
S	2.0	3.1	1.0									6.1	4.6
SSW	2.4	2.3	2.8	1.2								8.6	6.3
SW	1.0	2.8	3.7	1.2								8.6	7.1
WSW	3.3	4.5	3.4	1.2	.1							12.6	6.0
W	1.8	3.7	2.6	.9	.1							9.0	6.2
WNW	1.4	.8	.4	.1								2.7	4.2
NW	.9	.8	.4									2.0	4.4
NNW	1.2	1.0	.3									2.5	3.9
VARIABLE													
CAIM	////////////////////											11.6	////
TOTALS	27.8	34.2	21.2	4.9	.2							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-94  
MONTH: AUG HOURS(1ST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.2	4.9	1.9	.1								8.2	5.3
NNE	2.2	3.0	1.4									6.6	4.8
NE	.8	1.8	1.2	.1								3.9	5.7
NNE	1.3	1.7	1.4									4.4	5.1
E	1.4	2.0	.9									4.3	4.6
ESE	1.0	1.5	.3									2.8	4.3
SE	.5	.8	.6									1.9	5.2
SSE	.9	1.0	.3	.1								1.8	5.4
S	1.7	2.7	1.7	.3								6.5	5.7
SSW	1.9	3.5	3.7	.5								9.7	5.9
SW	1.1	2.5	3.7	1.5	.1							8.8	7.8
WSW	1.3	4.0	4.9	2.4	.2							12.8	7.9
W	1.5	4.0	4.0	1.7								11.2	7.3
WNW	1.6	2.5	1.3	.3								5.7	5.5
NW	1.1	1.3	.6	.1								3.1	4.8
NNW	1.0	2.3	1.0	.1								4.3	5.2
VARIABLE													
CALM	////////////////////											4.1	////
TOTALS	19.9	39.5	28.9	7.3	.3							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: AUG HOURS: 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63		
N	2.2	4.5	2.5	.2								9.4	5.5
NNE	2.8	3.7	1.7	.1								6.3	4.0
NE	.9	1.7	.5	.3								3.4	5.6
ENE	1.2	2.0	.5									3.8	4.3
E	.6	2.5	1.1									4.2	5.5
ESE	.9	1.2	.3									2.4	4.3
SE	1.1	1.0	.6									2.7	4.4
SSE	1.5	1.1	.8									3.3	4.6
S	1.4	2.9	2.6	.4								7.3	6.1
SSW	1.0	2.0	4.1	.6								7.7	7.3
SW	.9	1.7	2.8	1.5								6.9	7.8
WSW	1.2	3.3	4.1	1.5			.1					10.2	7.6
W	1.9	4.9	4.4	1.0								12.3	6.4
WNW	.9	1.9	1.5	.2	.1							4.6	6.2
NW	.9	1.6	1.3									3.8	5.5
NNW	1.3	2.3	1.9	.1								5.6	5.7
VARIABLE													
CALM	////////////////////											4.2	////
TOTALS	20.4	38.4	30.8	6.0	.1		.1					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700

STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: AUG HOURS(EST): 1800-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N											8.8	4.4
NNE											7.1	4.8
NE											5.6	4.4
ENE											2.7	3.7
E											2.7	3.1
ESE											2.2	2.7
SE											2.8	3.6
SSE											3.3	3.7
S											8.5	5.0
SSW											7.2	6.3
SW											5.1	4.2
WSW											7.0	5.1
W											8.1	4.7
WNW											3.7	4.1
NW											3.3	4.2
NNW											5.2	3.9
VARIABLE	////////////////////										16.9	////
CALM	////////////////////										100.0	3.7
TOTALS	32.7	33.9	15.3	1.3								

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: AUG HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.6	2.5	.6									5.7	4.0
NNF	3.8	2.7	.3	.1								6.9	3.4
NE	1.3	1.6	.2									3.1	3.9
ENE	.4	.1										.5	2.2
E	1.7	.5										2.3	2.7
ESE	1.5	.1										1.6	2.3
SE	1.0	.3										1.3	2.8
SSE	1.9	.9	.1									2.9	3.2
S	3.0	3.0	1.1									7.1	4.3
SSW	2.8	2.8	.9	.1								6.6	4.2
SW	3.2	1.4	.8	.1								5.5	3.8
WSW	2.4	1.2	.3									3.9	3.5
W	.8	.8	.3									1.8	4.1
WNW	.2	.4	.1									.8	4.1
NW	.3	.2	.2									.8	4.9
NNW	1.3	.5		.1								1.9	3.4
VARIABLE													
CALM	////////////////////											47.4	////
TOTALS	28.2	19.0	4.9	.4								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: AUG HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.9	3.1	1.2	.1								7.4	4.5
NNE	3.1	2.4	.7	.1								6.3	3.9
NE	1.8	1.6	.6	.1								4.1	4.2
ENE	1.1	1.0	.3	.0								2.4	4.0
E	1.1	1.1	.4	.0								2.6	4.2
ESE	1.1	.6	.1	.0								1.9	3.5
SE	.9	.6	.2									1.7	3.8
SSE	1.6	1.0	.2	.0								2.7	3.6
S	2.4	3.1	1.2	.1								6.8	4.6
SSW	2.2	2.8	2.1	.4								7.4	5.4
SW	1.9	2.1	1.8	.6	.0							6.4	5.8
WSW	1.9	2.4	2.2	.7	.0		.0					7.2	6.1
W	1.5	2.3	1.8	.5	.0							6.2	6.0
WNW	.9	.9	.6	.1	.0							2.5	5.1
NW	.7	.7	.5	.0								1.8	4.7
NNW	1.1	1.3	.5	.1								3.0	4.6
VARIABLE													
CALM	////////////////////											29.5	////
TOTALS	26.2	27.1	14.4	2.6	.1		.0					100.0	3.4

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: SEP HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.0	2.3	1.4	.1								5.9	4.9
NNE	2.6	1.7	.3	.1								4.7	3.6
NE	2.3	.4	.2									3.0	3.0
ENE	1.1	.1	.1									1.3	2.7
E	.8	1.0	.1									1.9	4.0
ESE	.8											.8	1.9
SE	.6	.1	.2									.9	4.0
SSE	2.0	1.3	.4									3.8	3.9
S	2.9	2.3	.7									5.9	3.9
SSW	2.8	2.7	.9									6.3	4.0
SW	1.8	2.1	1.1	.3								5.3	5.4
WSW	1.2	1.0	.2									2.4	3.9
W	.7	2.0	.3									3.0	4.4
WNW	.6	1.4	.1									2.1	4.2
NW	.9	.9	.4									2.2	4.8
NNW	.8	.1	.4	.7								2.0	7.5
VARIABLE													
CALM	////////////////////											48.4	////
TOTALS	23.7	19.6	7.1	1.2								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: AUG HOURS(1ST): 1800-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	4.0	3.3	1.3	.2								8.8	4.4
NNE	2.3	3.5	1.2	.1								7.1	4.8
NE	1.5	3.3	.8									5.6	4.4
ENE	1.5	1.0	.1	.1								2.7	3.7
E	1.7	1.0										2.7	3.1
ESE	1.8	.2	.1									2.2	2.7
SE	1.6	1.0	.2									2.8	3.6
SSE	1.5	1.7	.1									3.3	3.7
S	2.4	3.9	2.3									8.5	5.0
SSW	1.0	3.0	3.0	.2								7.2	6.3
SW	2.0	2.0	.9	.1								5.1	4.2
WSW	2.4	2.5	1.9	.2								7.0	5.1
W	3.3	2.9	1.6	.2								8.1	4.7
WNW	1.7	1.3	.6									3.7	4.1
NW	1.4	1.2	.6	.1								3.3	4.2
NNW	2.6	2.0	.5									5.2	3.9
VARIABLE													
CALM	////////////////////											16.9	////
TOTALS	32.7	33.9	15.3	1.3								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: SEP HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.8	3.6	.9	.3								7.6	4.5
NNE	4.1	1.7	.6	.1								6.4	3.5
NE	2.2	.9										3.1	2.8
ENE	1.3	.1										1.4	2.6
E	.8	.8	.1									1.7	3.8
ESE	.4	.1										.6	2.2
SE	.6	.1										.7	2.0
SSE	1.2	.7	.6									2.4	4.4
S	3.0	3.3	.3	.1								6.8	3.9
SSW	1.9	3.3	1.2	.1								6.6	4.8
SW	1.9	2.3	.6	.2								5.0	4.4
WSW	.9	1.4	.7									3.0	4.7
W	.8	1.1	.3	.1								2.3	4.8
WNW	.9	.7	.1									1.7	3.4
NW	.4	1.0	.3	.1								1.9	5.4
NNW	.7	.9	.9	.1								2.6	5.9
VARIABLE													
CALM	////////////////////											46.3	////
TOTALS	23.9	22.0	6.6	1.2								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: SEP HOURS(EST): 0600-0900

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.4	4.3	1.7	.1								8.6	4.8
NNE	3.8	3.0	.4									7.2	3.6
NE	3.1	1.2	.1									4.4	2.9
ENE	1.2	.3										1.6	2.4
E	.3	.8	.1									1.2	4.2
ESE	1.0	.2	.1									1.3	2.7
SE	.8	.2	.1									1.1	2.9
SSE	1.8	1.1	.2									3.1	3.6
S	2.9	3.2	1.0	.1								7.2	4.4
SSW	2.0	3.0	1.4									6.4	5.0
SW	1.8	2.2	2.6	.1								6.7	5.6
WSW	.9	.7	.7	.1								2.3	5.5
W	.7	.7	.2	.1								1.7	4.9
WNW	.8	1.0	1.1									2.9	5.3
NW	.1	.9	.4									1.4	5.6
NNW	.7	.7	.6									1.9	5.4
VARIABLE													
CALM	////////////////////////////////////											40.9	////
TOTALS	24.2	23.6	10.8	.6								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: SEP HOURS: 1100-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	2.8	3.1	2.1	.1								8.1	5.0
NNE	1.8	3.2	1.4	.4								6.9	5.5
NE	2.0	2.3	1.1	.2								5.7	4.8
ENE	.7	1.0	.3	.1								2.1	4.6
E	1.3	1.0	.4	.1								2.9	4.1
ESE	1.3	1.6	1.0									3.9	4.8
SE	.2	.8	.3									1.3	5.4
SSE	1.7	2.0	.7	.1								4.4	4.5
S	2.1	2.6	1.2	.2								6.1	5.0
SSW	1.8	2.6	2.2	.9	.1							7.6	6.5
SW	1.8	2.8	3.6	2.2	.1							10.4	7.8
WSW	1.1	2.3	4.3	1.7	.1							9.6	8.2
W	2.0	1.6	3.4	.4								7.4	6.1
WNW	1.4	1.3	1.1	.4								4.3	5.5
NW	.7	.9	1.2	.2								3.0	6.2
NNW	1.6	1.7	1.0	.3								4.6	5.3
VARIABLE													
CALM	////////////////////////////////////										11.7	////	
TOTALS	24.2	30.7	25.6	7.6	.3							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: SEP HOURS(UT): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.6	4.0	3.2	.1								9.9	5.6
NNE	1.9	2.0	.9	.6								5.3	5.4
NE	.7	2.0	.7	.1								3.4	5.5
ENE	1.2	1.1	1.2	.1								3.7	5.5
E	1.0	1.8	.8									3.6	4.6
ESE	.7	1.0	1.1									2.8	5.4
SE	.2	.9	.4									1.6	5.5
SSE	.9	1.2	1.2									3.3	5.4
S	1.4	2.4	2.2	.4								6.6	6.0
SSW	1.0	3.1	2.2	1.4	.3							8.1	7.7
SW	1.1	1.8	2.9	3.1	.3	.2						9.4	9.6
WSW	1.0	2.2	4.3	4.0	.4							12.0	9.3
W	1.7	3.9	4.9	2.0	.1							12.6	7.4
WNW	.9	1.7	2.8	.6								5.8	7.2
NW	.9	1.4	1.8	.2								4.3	6.2
NNW	1.4	2.1	1.4									5.0	4.9
VARIABLE													
CALM	////////////////////											2.7	////
TOTALS	18.4	32.7	32.1	12.7	1.2	.2						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: SEP HOURS(IST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.0	3.9	2.9	.8							9.6	5.9
NNE	1.6	1.4	.9	.6	.1						4.6	6.0
NE	.7	1.7	.9								3.2	5.2
ENE	.7	1.3	.3	.1							2.4	4.9
E	1.0	1.3	.3								2.7	4.4
ESE	.4	1.3	.7								2.4	5.0
SE	.4	1.1	.4								2.0	5.0
SSE	.8	1.0	1.4								3.2	6.0
S	1.6	3.6	2.4	.9							8.4	6.2
SSW	1.0	2.4	3.9	1.9							9.2	7.7
SW	1.0	2.2	2.2	3.6	.4						9.4	9.4
WSW	1.1	2.2	2.4	2.9	.3						9.0	8.8
W	1.7	3.9	3.3	1.7	.2						10.8	7.1
WNW	.8	1.1	2.1	1.0							5.0	7.6
NW	.9	2.2	1.3	.3							4.8	6.0
NNW	1.4	4.0	2.0	.7							8.1	5.8
VARIABLE												
CALM	////////////////////										5.1	////
TOTALS	17.0	34.8	27.7	14.3	1.1						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: SEP HOURS(1ST): 1800-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	4.8	3.7	2.1	.1							10.7	4.5
NNE	1.7	1.9	.8	.2							4.6	4.7
NE	2.2	.9	.3								3.4	3.5
ENE	.9	.4	.2								1.6	3.9
E	2.2	.7	.1								3.0	3.0
ESE	.9	1.0									1.9	3.6
SE	1.0	.7	.3								2.0	3.7
SSE	1.8	2.6	.4	.1							4.9	4.4
S	1.0	5.2	1.2	.1							7.6	5.3
SSW	2.3	4.2	1.7	.2							8.4	5.1
SW	2.0	3.0	1.3	1.4							7.8	6.2
WSW	2.2	2.1	1.3	.2							5.9	5.1
W	2.0	2.6	1.1	.1		.1					5.9	5.0
WNW	1.9	2.1	.2	.1							4.3	4.3
NW	.9	1.9	1.0	.2							4.0	5.3
NNW	2.1	1.9	1.0	.4							5.4	5.1
VARIABLE												
CALM	////////////////////										18.7	////
TOTALS	29.9	34.8	13.2	3.3		.1					100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: SEP HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.3	2.9	1.6	.7							7.4	5.3
NNE	2.7	2.6	.4								5.7	3.7
NE	1.7	1.7	.4								3.8	3.8
ENE	1.1	.7									1.8	3.0
E	1.0	.4									1.4	2.8
ESE	.7	.3									1.0	3.2
SE	1.0	.9	.2								2.1	4.1
SSE	1.9	1.4	.4								3.8	3.9
S	2.1	2.2	1.1								5.4	4.4
SSW	2.9	3.2	1.0	.3							7.4	4.6
SW	3.1	1.4	1.0	.2							5.8	4.3
WSW	1.2	1.0	.2	.1							2.6	4.3
W	1.2	1.3	.4	.1							3.1	4.6
WNW	.8	.7	.1	.1							1.3	4.6
NW	.4	.6	1.2								2.2	6.5
NNW	.6	1.6	.7	.4							3.2	6.0
VARIABLE												
CALM	////////////////////										41.9	////
TOTALS	24.3	22.9	8.9	2.0							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: SEP HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.7	3.5	2.0	.3							8.5	5.1
NNE	2.5	2.2	.7	.2	.0						5.7	4.4
NE	1.9	1.4	.5	.0							3.8	4.0
ENE	1.0	.6	.3	.0							2.0	4.1
E	1.1	1.0	.2	.0							2.3	3.9
ESE	.8	.7	.4								1.8	4.2
SE	.6	.6	.3								1.5	4.3
SSE	1.5	1.4	.7	.0							3.6	4.5
S	2.1	3.1	1.3	.2							6.7	5.0
SSW	2.0	3.1	1.8	.6	.1						7.5	5.8
SW	1.8	2.2	1.9	1.4	.1	.0					7.5	7.0
WSW	1.2	1.6	1.8	1.1	.1						5.8	7.4
W	1.3	2.1	1.8	.6	.0	.0					5.8	6.2
WNW	.9	1.2	1.0	.3							3.4	5.8
NW	.7	1.2	1.0	.1							3.0	5.8
NNW	1.2	1.6	1.0	.3							4.1	5.6
VARIABLE												
CALM	////////////////////										27.0	////
TOTALS	23.2	27.6	16.5	5.4	.3	.0					100.0	4.0

TOTAL NUMBER OF OBSERVATIONS: 7230

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: OCT HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	3.9	2.4	1.2	.1	.1							7.6	4.2
NNE	2.8	1.0	.4	.3								4.5	4.0
NE	1.4	1.9	.3									3.7	3.9
ENE	.6	.4	.6									1.7	4.9
E	1.0	.5	.3									1.8	4.2
ESE	.8	.4	.1									1.3	3.5
SE	1.7	.5	.5									2.8	4.1
SSE	2.6	1.7	1.0	.3								5.6	4.8
S	1.0	2.5	1.7	.4								5.6	6.3
SSW	1.5	2.0	1.7	.3								5.6	5.7
SW	.9	1.8	1.7	.4								4.8	6.3
WSW	.8	1.4	1.4	.4		.1						4.1	6.9
W	.9	1.6	1.4	.9								4.7	7.2
WNW	1.0	.8	1.5	.3								3.5	6.3
NW	.9	1.7	.8	.2								3.5	5.5
NNW	.2	1.5	.2									1.9	4.9
VARIABLE													
CALM	////////////////////											37.1	////
TOTALS	21.7	22.3	14.9	3.8	.1	.1						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: OCT HOURS(1ST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.8	2.9	1.4	.5								7.6	5.1
NNE	2.8	1.4	.4	.1								4.7	3.7
NE	2.3	1.6	.8									4.6	4.2
ENE	.8	.8	.4	.1								2.0	4.9
E	1.1	.4	.5									2.0	4.5
ESE	.9	.4	.2									1.5	3.6
SE	1.4	1.2	.3									2.9	4.1
SSE	2.4	1.3	.3	.1								4.1	3.8
S	1.5	1.6	1.1	1.1								5.3	6.4
SSW	1.2	2.7	1.7	.4								6.0	6.2
SW	1.0	1.6	1.4	.2								4.2	6.1
WSW	.8	1.8	1.4	.6								4.6	6.6
W	1.0	1.6	2.5	.5	.1							5.7	6.9
WNW	.3	1.0	1.0	.4								2.7	7.2
NW	.5	.6	.2	.3								1.7	5.9
NNW	.8	1.1	.3									2.2	4.6
VARIABLE													
CALM	////////////////////											38.1	////
TOTALS	21.3	22.0	14.0	4.5	.1							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: OCT HOURS/STEP: 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.8	3.5	1.3	.3								8.0	4.8
NNE	4.1	.9	.9									5.9	3.2
NE	2.9	1.0	.3									4.2	3.4
ENE	.4	1.0	.6									2.0	5.6
E	.4	1.1	.1									1.6	4.0
ESE	.6	.9										1.5	3.1
SE	1.2	1.2	.2	.3								2.9	4.8
SSE	2.5	1.2	.3									4.0	3.5
S	1.9	2.8	1.8	.8								7.3	6.0
SSW	.6	2.0	2.0	.8								5.5	7.1
SW	.5	1.3	1.0	.4								3.2	6.4
WSW	.6	1.8	1.8	.8								5.1	7.1
W	.6	1.3	2.3	.6	.1							4.9	7.6
WNW	.8	1.0	1.7	.2								3.7	6.9
NW	.6	1.2	.4	.1	.1							2.5	5.7
NNW	.5	1.3	1.1									2.9	5.8
VARIABLE													
CALM	////////////////////											34.9	////
TOTALS	21.3	23.3	15.9	4.3	.2							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: OCT HOURS(LST): 0900-1100

DIRECTION (DEGR.ES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	3.1	1.9	.5							6.2	6.3
NNE	1.2	2.0	1.0	.4							4.6	5.5
NE	.9	2.0	1.1								4.0	5.4
NNE	1.1	1.3	.8	.1							3.4	4.8
E	1.8	1.4	1.5	.1							4.8	5.2
ESE	.9	1.4	.5	.1							2.9	4.9
SE	1.6	1.1	.1	.1							2.9	3.6
SSE	1.7	2.2	1.4	.5							5.8	5.8
S	1.6	2.3	1.9	1.2							7.0	6.6
SSW	1.3	2.0	3.0	2.0	.3						8.7	8.4
SW	1.6	1.8	2.8	1.9							8.2	7.5
WSW	.6	2.3	3.9	2.0	.2						9.0	8.4
W	1.0	1.9	2.6	2.3	.4						8.2	8.8
WNW	.4	1.5	1.3	1.0	.1						4.3	8.1
NW	.5	1.1	2.0	.9		.1					4.6	8.0
NNW	.9	1.2	1.9	.4							4.4	6.8
VARIABLE												
CALM	////////////////////										10.9	////
TOTALS	18.0	28.6	27.7	13.7	1.1	.1					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: OCT HOURS(1ST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	1.8	3.1	1.0							6.9	7.4
NNE	1.3	1.7	.8	.3	.2						4.3	5.0
NE	.8	1.1	.8								2.6	5.1
ENE	.8	.9	.6	.3							2.6	5.8
E	1.1	1.7	1.4	.1							4.3	5.7
ESE	1.0	2.4	.4								3.8	4.5
SE	.2	1.1	.2								1.5	5.1
SSE	.8	2.7	.5	.8							4.7	6.0
S	1.0	1.8	2.7	1.9							7.4	8.1
SSW	.8	1.6	3.2	2.7	.6						8.9	9.4
SW	.6	1.7	4.2	2.4	.5						9.5	9.4
WSW	.6	2.7	4.2	2.7	.8	.1					11.1	9.4
W	1.2	1.6	4.0	2.5	1.3						10.5	9.7
WNW	.9	1.6	2.6	2.4	.3						7.7	8.9
NW	.5	1.2	1.9	.4							4.1	7.5
NNW	1.0	1.6	2.4	.5							5.5	7.2
VARIABLE												
CALM	////////////////////										4.6	////
TOTALS	13.3	27.2	33.0	18.0	3.8	.1					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: OCT HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.8	2.6	3.4	.8							8.6	6.4
NNE	.9	1.3	1.3	.3	.3						4.1	7.0
NE	1.0	.9	.8								2.6	6.7
ENE	.8	2.0	.6								3.4	5.0
E	.9	1.8	1.4								4.1	5.6
ESE	1.2	1.5	.6								3.3	4.6
SE	.8	1.6	.4								2.8	4.8
SSE	.5	1.2	1.2	.5							3.4	6.8
S	.9	2.8	3.2	1.1	.2						8.2	7.4
SSW	1.0	2.6	4.2	1.7	.1						9.6	8.1
SW	.9	1.7	4.1	1.8	.2						9.7	8.5
WSW	1.1	1.9	3.1	1.0	.2						7.3	7.7
W	1.4	1.3	4.2	4.5	.6	.2					12.3	10.0
WNW	.6	1.8	2.6	1.9	.1						7.1	8.4
NW	.4	1.1	2.3	1.2	.2						5.2	8.4
NNW	.4	1.3	2.4	.2	.1						4.4	7.4
VARIABLE												
CALM	////////////////////										4.9	////
TOTALS	14.4	27.4	35.8	15.1	2.2	.2					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: OCT HOURS(EST): 1800-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	3.0	4.3	1.5									8.8	4.5
NNE	1.8	1.4	.3	.5		.1						4.2	5.5
NE	1.1	1.5	.6									3.2	4.6
ENE	1.1	1.0	.2									2.3	3.8
E	1.7	1.0	.2									2.9	3.7
ESE	1.7	1.3	.5									3.5	3.9
SE	1.1	1.8	.5	.2	.1							3.8	5.6
SSE	2.2	3.4	.3	.3								6.2	4.3
S	2.3	3.3	3.1	.5								9.2	6.0
SSW	2.4	2.5	2.3	.5								7.6	5.6
SW	2.3	2.6	1.0	.1								5.9	4.4
WSW	1.5	1.7	1.1	.1								4.4	5.0
W	1.4	1.8	2.3	1.1			.1					6.7	7.4
WNW	1.0	1.8	1.7	.5	.1							5.2	6.7
NW	.8	1.3	.6	.8								3.4	6.9
NNW	.9	2.3	1.1									4.2	5.2
VARIABLE													
CALM	////////////////////											18.4	////
TOTALS	26.0	33.0	17.4	4.7	.2	.1	.1					100.0	4.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: OCT HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	3.1	4.0	1.1	.3								8.5	4.5
NNE	2.2	1.2	.4	.1	.2							4.1	4.7
NE	1.0	1.6	.4	.1								3.1	4.8
ENE	.8	.2	.5									1.5	4.9
E	.8	.8	.4	.1								2.0	5.2
ESE	.9	1.0	.4									2.3	4.4
SE	1.0	.8	.5	.2								2.5	5.2
SSE	.9	2.9	.6	.4								4.8	5.4
S	2.5	2.4	1.9	.6								7.4	5.9
SSW	2.3	2.4	1.4	.6								6.7	5.5
SW	1.2	1.3	1.7	.2								4.4	5.9
WSW	1.1	1.6	1.2	.3								4.2	5.7
W	1.1	1.4	1.3	.5	.1							4.4	6.6
WNW	.5	1.6	1.1	.2	.1							3.5	6.8
NW	.8	1.7	.5	.2	.1							3.3	6.0
NNW	.9	1.7	.5	.2								3.3	5.1
VARIABLE													
CALM	////////////////////											33.9	////
TOTALS	20.6	26.5	14.2	4.3	.5							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: OCT HOURS(EST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.4	3.1	1.9	.4	.0						7.8	5.3
NNE	2.1	1.4	.7	.3	.1	.0					4.5	4.8
NE	1.4	1.5	.6	.0							3.5	4.4
ENE	.8	.9	.6	.1							2.4	4.9
E	1.1	1.1	.7	.0							3.0	5.0
ESE	1.0	1.2	.4	.0							2.5	4.2
SE	1.1	1.2	.4	.1	.0						2.8	4.7
SSE	1.7	2.1	.7	.4							4.9	5.0
S	1.6	2.4	2.2	1.0	.0						7.2	6.6
SSW	1.4	2.2	2.4	1.1	.1						7.3	7.2
SW	1.1	1.7	2.2	.9	.1						6.1	7.2
WSW	.9	1.9	2.3	1.0	.1	.0					6.2	7.6
W	1.1	1.6	2.6	1.6	.3	.0	.0				7.2	8.5
WNW	.7	1.4	1.7	.9	.1						4.7	7.7
NW	.6	1.2	1.1	.5	.1	.0					3.5	7.0
NNW	.7	1.5	1.2	.2	.0						3.6	6.1
VARIABLE												
CALM	////////////////////										22.8	////
TOTALS	19.6	26.3	21.6	8.5	1.0	.1	.0				100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: NOV HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	1.3	.3	.1							2.9	4.6
NNE	.6	1.1	.4	.3							2.4	6.1
NE	1.0	.3	.3	.1							1.8	4.8
ENE	.7	.7	.2								1.6	4.4
E	1.0	1.3	1.0								3.3	5.1
ESE	1.6	.4									2.0	2.3
SE	1.1	.8	.4	.1							2.4	4.3
SSE	1.8	.9	.6	.4							3.7	5.1
S	2.3	2.3	1.4	.8	.1						7.0	5.6
SSW	.3	1.7	2.0	.8	.1						4.9	7.8
SW	1.3	2.3	1.7	1.9							7.2	7.6
WSW	1.4	2.2	1.9	1.0	.3						6.9	7.2
W	.2	1.3	4.0	2.2	.4						8.2	9.9
WNW	.6	1.2	2.1	1.0	.2						5.1	8.3
NW	1.2	1.1	1.7	.9							4.9	6.8
NNW	.8	1.4	1.2	.3							3.8	5.9
VARIABLE												
CALM	////////////////////										31.9	////
TOTALS	17.0	20.6	19.3	10.0	1.2						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: NOV HOURS(EST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.7	2.0	1.2								4.9	5.0
NNE	.3	1.3	.2								1.9	4.8
NE	.8	.8	.6								2.1	4.9
ENE	.6	.9	.1								1.6	4.3
E	1.1	.7	.6	.2							2.6	5.2
ESE	.9	.9									1.8	3.3
SE	1.4	1.2	.1								2.8	3.8
SSE	1.2	.8	1.2	.3							3.6	5.1
S	1.8	1.8	.9	.3	.1	.1					5.0	5.9
SSW	1.2	2.4	2.6	1.4	.2	.3					8.2	8.1
SW	.7	1.9	2.1	1.7		.1					6.4	9.1
WSW	.8	1.7	1.3	1.0	.2	.2					5.2	8.4
W	1.0	2.1	3.3	2.3							8.8	8.4
WNW	.4	1.4	2.6	1.1							5.6	8.2
NW	.8	1.3	1.6	.6							4.2	6.9
NNW	.8	.8	1.0	.3							2.9	6.4
VARIABLE												
CALM	////////////////////										32.6	////
TOTALS	15.4	22.0	19.3	9.3	.6	.8					100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: NOV HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.9	1.2	.6	.2								3.9	4.5
NNE	.7	1.1	.2	.2								2.2	5.1
NE	1.0	1.6	.7									3.2	4.6
ENE	1.0	.9	.2									2.1	4.1
E	1.4	.7	.2									2.3	3.5
ESE	1.3	.3		.2	.1							2.0	4.6
SE	.8	.9	.4	.1								2.2	4.6
SSE	2.9	1.6	.8	.4	.1							5.8	4.8
S	1.9	3.0	1.7	.6	.2	.1						7.4	6.3
SSW	1.3	2.1	2.7	1.6	.2	.3						8.2	8.4
SW	.8	2.2	1.7	1.3								6.0	7.5
WSW	1.0	1.1	1.6	.9	.2	.1						4.9	8.3
W	1.2	2.1	2.4	2.2	.3	.1						8.4	8.7
WNW	.6	1.3	2.3	1.1								5.3	7.9
NW	.6	1.6	.6	.3								3.0	6.3
NNW	.8	1.8	1.6	.4								4.6	6.3
VARIABLE													
CALM	////////////////////											29.3	////
TOTALS	19.1	23.4	17.6	9.7	1.2	.7						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: NOV HOURS(1ST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.2	2.3	2.3	.2							6.1	6.0
NNE	.9	1.4	.9								3.2	5.0
NE	.2	1.0	1.2								2.4	5.9
ENE	.4	1.2	.6	.1							2.3	6.0
E	.4	.9	.6								1.9	5.2
ESE	.4	.9	.8		.1						2.2	6.3
SE	.9	.9		.2	.1						2.1	5.1
SSE	2.1	1.4	1.1	.8	.1						5.6	6.0
S	2.4	4.0	3.8	.4	.1						10.8	6.0
SSW	1.2	2.2	3.8	1.8	.4	.1					9.6	8.3
SW	1.1	1.6	2.7	2.8	.6						8.7	9.3
WSW	.9	1.7	2.2	2.6	.1						7.4	9.2
W	1.1	1.8	3.3	2.7	.7	.2					9.8	10.0
WNW	.4	1.3	2.3	2.2	.1						6.4	9.3
NW	.9	.7	1.4	.6							3.6	6.8
NNW	.7	1.9	1.7	.4	.1						4.8	6.7
VARIABLE												
CALM	////////////////////										13.1	////
TOTALS	15.4	25.2	28.7	14.8	2.4	.3					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: NOV HOURS(1ST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.1	1.6	2.2	.1								5.0	5.8
NNE	.4	1.0	.8									2.2	5.8
NE	.2	.2	1.2	.2								1.9	7.8
ENE	.8	.7	.7	.1								2.2	5.5
E	.4	.4	1.6	.2								2.7	7.0
ESE	.7	.4	.6									1.7	4.7
SE	.7	1.1	.6	.1								2.4	5.1
SSE	1.1	1.9	1.0	.4								4.4	6.1
S	1.0	2.2	3.3	.8	.4	.1						7.9	8.0
SSW	.6	2.4	4.8	3.6	.4							12.1	9.2
SW	.7	3.0	3.2	3.9	.7							11.4	9.5
WSW	.8	2.0	3.4	3.8	.4							10.4	9.5
W	1.4	3.4	3.1	5.3	1.4	.1						14.9	10.1
WNW	.4	1.2	2.2	1.3	.3	.1						5.7	9.6
NW	.3	1.4	2.4	1.6								5.8	8.7
NNW	.3	1.6	2.4	1.1								5.4	8.1
VARIABLE													
CALM	////////////////////											3.8	////
TOTALS	11.0	25.0	33.6	22.6	3.8	.3						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745760 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: NOV HOURS(EST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.3	1.8	1.7	.2								5.0	5.8
NNE	.6	1.4	1.0	.1								3.1	5.8
NE	.6	.8	.4	.3								2.1	6.1
ENE	.3	1.1	1.0									2.4	6.1
E	.4	1.0	1.0	.1								2.6	6.0
ESE	.6	.9	.2									1.7	4.5
SE	.4	1.2	.2	.1								2.0	4.8
SSE	.3	2.2	1.1	.1								3.8	6.2
S	1.0	3.1	3.6	.9	.3	.1						9.0	7.5
SSW	1.3	3.2	4.1	2.1								10.8	7.5
SW	1.1	3.6	3.7	2.3	.8							11.4	9.5
WSW	2.0	1.1	2.4	2.9	.4	.3						9.2	9.1
W	.9	2.8	3.3	5.6	.8							13.3	10.0
WNW	.9	1.9	2.8	2.6	.2							8.3	9.8
NW	.3	1.6	2.0	1.0								4.9	9.0
NNW	.9	2.3	2.8	.3								6.3	6.6
VARIABLE													
CALM	////////////////////											4.0	////
TOTALS	13.0	30.0	31.3	18.7	2.6	.4						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: NOV HOURS(LST): 1800-2200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.0	1.4	.4	.7							4.6	5.1
NNE	.9	1.6	1.2	.1							3.8	5.3
NE	.9	.8	.2	.3							2.2	5.4
ENE	.6	.7	.3								1.6	4.6
E	1.0	.8	1.1	.1							3.0	5.7
ESE	1.0	.9	.3								2.2	4.3
SE	.9	1.1	.3								2.3	4.5
SSE	1.3	1.3	1.4	.1							4.2	5.2
S	1.9	3.8	1.9	.9	.1						8.6	6.2
SSW	2.3	3.6	2.6	1.0							9.4	6.1
SW	2.2	2.7	1.2	1.0	.3						7.4	6.4
WSW	1.0	1.3	2.1	.9	.2	.1					5.7	8.3
W	1.1	2.0	3.1	1.8	.9						8.9	9.1
WNW	.8	2.0	2.3	.8	.2						6.1	7.5
NW	1.3	2.2	.7	1.6							5.8	7.0
NNW	.3	1.8	1.4	.3							3.9	6.9
VARIABLE												
CALM	////////////////////										20.3	////
TOTALS	19.6	27.9	20.8	9.6	1.8	.1					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: NOV HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.7	1.0	1.0	.1								3.8	4.9
NNE	.7	.7	.4	.3								2.1	5.2
NE	1.1	1.2	.4	.2								3.0	4.9
ENE	.4	.7	.2									1.3	4.3
E	.4	.9	.9	.2								2.4	6.5
ESE	.7	.6	.6	.1								1.9	5.6
SE	1.1	1.4	.2									2.8	4.0
SSE	1.7	1.1	1.1	.2								4.1	5.2
S	1.9	1.9	2.7	.7								7.1	6.3
SSW	1.4	2.0	2.0	1.1	.1							6.7	7.2
SW	.8	2.1	1.2	1.2								5.3	7.3
WSW	1.6	.9	1.9	1.1	.4							5.9	7.8
W	.7	2.2	2.8	2.1	.7	.4						8.9	9.8
WNW	.1	1.8	2.1	1.6	.1							5.7	8.7
NW	1.1	1.3	1.2	.8								4.4	6.6
NNW	1.0	1.4	1.9	.2								4.6	6.3
VARIABLE													
CALM	////////////////////											30.0	////
TOTALS	16.3	21.2	20.7	10.0	1.3	.4						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: NOV HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.5	1.6	1.2	.2							4.5	5.3
NNE	.6	1.2	.7	.1							2.6	5.5
NE	.7	.8	.6	.2							2.3	5.4
ENE	.6	.8	.4	.0							1.9	5.1
E	.8	.8	.9	.1							2.6	5.5
ESE	.9	.7	.3	.0	.0						1.9	4.5
SE	.9	1.1	.3	.1	.0						2.4	4.5
SSE	1.6	1.4	1.0	.4	.0						4.4	5.5
S	1.8	2.8	2.4	.7	.2	.1					7.8	6.5
SSW	1.2	2.5	3.1	1.7	.2	.1					8.7	7.9
SW	1.1	2.4	2.2	2.0	.3	.0					8.0	8.2
WSW	1.2	1.5	2.1	1.8	.3	.1					7.0	8.6
W	1.0	2.2	3.2	3.0	.7	.1					10.2	9.6
WNW	.5	1.5	2.3	1.5	.2	.0					6.0	8.6
NW	.8	1.4	1.4	.9							4.6	7.2
NNW	.7	1.6	1.7	.4	.0						4.5	6.7
VARIABLE												
CALM	////////////////////										20.5	////
TOTALS	15.9	24.4	23.9	13.1	1.9	.4					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 7230

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: DEC HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	1.1	1.4	.9	.1						4.1	7.7
NNE	.8	1.0	.5	.1							2.4	5.4
NE	.9	.5	.6	.1							2.2	5.2
ENE	.3	.4	.3								1.1	4.8
E	.5	1.9	1.7	.1							4.3	6.2
ESE	.5	1.0	.3	.1							1.9	5.0
SE	.9	1.2	.2	.1							2.4	4.4
SSE	1.8	2.3	1.2	.2							5.5	4.8
S	2.3	3.1	2.8	.8	.1						9.0	5.9
SSW	1.6	3.3	3.0	2.3	.4						10.6	7.7
SW	1.2	1.6	1.5	2.4	.3						7.0	8.6
WSW	1.0	1.5	1.9	1.7							6.1	7.9
W	1.4	2.3	2.2	2.3	.5	.1					8.7	8.8
WNW	1.4	1.8	3.8	2.7	.4						10.1	9.7
NW	.3	.9	1.4	1.2	.2						4.0	9.3
NNW	.6	1.0	1.2	.5							3.3	7.2
VARIABLE												
CALM	////////////////////										17.3	////
TOTALS	16.1	24.8	24.1	15.4	2.2	.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: DEC HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	1.7	1.0	.8							4.4	6.3
NNE	.6	1.0	.4								2.0	4.6
NE	.5	1.1	.3								1.9	5.0
ENE	.6	.1	.1	.1							1.0	4.1
E	1.2	1.5	.4	.3							3.4	5.3
ESE	1.1	.5	.3	.1							2.0	4.6
SE	1.1	.8									1.8	3.6
SSE	2.4	2.4	.5								5.3	3.9
S	2.5	4.2	2.3	.6	.1						9.7	5.6
SSW	1.5	3.3	3.4	2.2	.1						10.5	7.7
SW	1.4	1.9	3.0	1.9	.3	.1					8.7	8.4
WSW	.9	1.0	1.9	1.1	.1						4.9	8.2
W	1.2	2.5	2.8	2.4	.6	.1					9.6	9.1
WNW	1.1	1.4	4.0	2.3	.1	.3					9.1	9.1
NW	.4	.9	2.5	.8							4.5	7.9
NNW	.8	1.2	.8	.4							3.1	6.2
VARIABLE												
CALM	////////////////////										17.8	////
TOTALS	18.2	25.4	23.8	12.9	1.4	.5					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: DEC HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63		
N	1.2	1.5	1.1	.9								4.6	6.3
NNE	.6	.5	.3									1.5	4.3
NE	.6	1.3	.4									2.4	4.7
ENE	.8	.8	.3	.2								2.0	5.6
E	.9	.9	.6									2.4	4.6
ESE	.5	.3	.5									1.4	4.9
SE	.5	1.3	.5									2.4	4.5
SSE	2.2	1.9	.2									4.3	3.7
S	2.5	2.8	1.7	.5	.1							7.6	5.6
SSW	1.6	4.2	7.2	2.2	.1							15.3	7.5
SW	1.0	3.0	2.5	1.7	.1							8.3	7.6
WSW	.9	1.6	1.9	1.3		.1						5.8	8.2
W	1.2	3.0	3.8	2.5	.4							10.9	8.5
WNW	.8	1.3	2.0	2.0	.3	.1						6.6	9.5
NW	.3	1.9	1.9	.4								4.6	6.9
NNW	.4	1.3	1.1									2.8	5.8
VARIABLE													
CALM	////////////////////											17.1	////
TOTALS	15.9	27.7	26.3	11.7	1.1	.2						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH  
USAF/FLTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: DEC HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.2	1.8	2.2	.5								5.7	6.6
NNE	.8	1.0	.3	.3								2.4	5.7
NE	.8	1.2	.9									2.8	5.2
ENE	.2	.5	.4									1.2	5.7
E	1.2	.9	1.1									3.1	5.5
ESE	.6	.6	.3									1.6	4.6
SE	.9	1.0	.9									2.7	5.1
SSE	.8	1.8	1.3	.4								4.3	6.1
S	1.6	1.7	3.2	1.0								7.5	6.8
SSW	1.0	3.2	5.7	2.8	.6							13.3	8.8
SW	.8	1.5	3.4	3.3	.6	.1	.1					9.9	10.0
WSW	.4	1.3	3.8	2.2	.4							8.1	9.4
W	1.0	2.3	4.6	4.2	1.0	.2						13.2	10.1
WNW	.5	1.0	2.4	2.0	.4	.1						6.5	10.1
NW	.3	1.4	1.0	1.1								3.8	8.0
NNW	1.2	1.3	1.2	.8								4.4	6.9
VARIABLE													
CALM	////////////////////											9.6	////
TOTALS	13.1	22.5	32.6	18.6	3.1	.4	.1					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: DEC HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.8	1.6	2.6	1.0	.1	.2					6.2	8.4
NNE	.1	.4	.9	.1							1.5	7.4
NE	.2	1.2	.6	.1							2.2	6.1
ENE	.5	1.1	.1								1.7	4.4
E	.8	.6	.9								2.3	5.9
ESE	.3	.9	.3	.2							1.7	6.0
SE	.4	.9	.5	.2							2.0	6.4
SSE	.3	2.0	1.9	.1							4.4	5.6
S	1.4	1.7	3.0	2.0							8.2	7.5
SSW	.4	2.2	4.2	3.9	.9	.1					11.6	10.1
SW	.6	1.4	4.6	5.3	1.7						13.7	11.2
WSW	.4	1.7	4.7	4.0	.5	.2					11.6	10.6
W	.6	1.9	4.3	3.5	1.4	.6					12.5	11.2
WNW	.3	1.0	2.6	2.6	.6	.3	.1				7.5	11.5
NW	.2	.4	1.6	1.0	.1	.2					3.5	10.1
NNW	.5	1.6	2.4	1.3							5.8	7.9
VARIABLE												
CALM	////////////////////										3.5	////
TOTALS	8.1	20.6	35.3	25.3	5.4	1.7	.1				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: DEC HOURS/STATION: 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-60		
N	.5	1.6	1.3	.8	.1	.2						4.5	8.3
NNE	1.0	.5	.8	.5								2.8	6.7
NE	.4	.9	.6									1.9	5.5
NNE	.8	1.2	.5									2.5	4.9
E	1.2	1.5	.8	.1								3.5	5.2
ESE	.2	1.0	.3	.3								1.8	6.5
SE	.6	.8	.2	.2								1.8	5.5
SSE	.8	1.5	1.5									3.8	6.0
S	1.1	2.2	4.7	1.2	.1							9.2	7.3
SSW	.5	2.4	4.3	3.4	.3							11.0	9.4
SW	.8	2.2	3.1	4.2	.6	.2		.1				11.2	12.5
WSW	1.0	2.8	3.1	2.3		.1	.1					9.4	8.3
W	.6	2.0	4.3	4.9	.3	.2						12.5	13.4
WNW	.1	2.0	1.8	3.9	.6							8.5	12.7
NW	.6	1.5	2.2	.9								5.2	7.5
NNW	.9	2.0	1.5	1.2								5.6	7.1
VARIABLE													
CALM	////////////////////											4.8	////
TOTALS	11.1	26.0	31.1	23.9	2.2	.8	.1	.1				100.0	8.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: DEC HOURS(LST): 1800-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.6	1.4	1.3	1.1	.1							5.5	6.9
NNE	.3	.4	.6	.3								1.7	6.9
NE	.8	1.3	.9	.1								3.0	5.4
ENE	1.3	.9	.8									2.9	4.3
E	1.1	1.2	1.3									3.5	5.2
ESE	1.1	1.3	.1									2.5	4.0
SE	.8	.8	.4	.2								2.2	5.4
SSE	1.9	2.4	1.0	.2								5.5	4.9
S	1.4	3.9	3.3	.8	.1							9.5	6.5
SSW	1.5	2.5	2.7	1.5	.3							8.5	7.6
SW	1.4	2.6	1.3	2.0	.2							7.5	7.8
WSW	1.0	1.8	2.6	1.6	.1							7.1	8.0
W	1.6	2.8	2.9	2.6	.5	.2						10.6	8.6
WNW	1.2	2.3	2.0	2.6	.3	.1						8.5	9.1
NW	.5	1.6	1.6	.3	.4	.3						4.8	8.9
NNW	.6	1.5	.8	.6								3.5	6.4
VARIABLE													
CALM	////////////////////											13.1	////
TOTALS	18.1	28.5	23.5	14.0	2.2	.6						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: DEC HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	1.2	1.6	.8							4.6	6.9
NNE	.5	.6	.4								1.6	4.9
NE	.3	1.3	.6	.3							2.6	6.4
ENE	.6	.5	.8	.1							2.0	5.8
E	1.2	1.1	1.6	.2							4.1	5.7
ESE	1.1	1.0	.8								2.8	4.7
SE	.6	.6	.6								1.9	4.7
SSE	1.7	1.3	.8								3.8	4.3
S	1.7	4.4	3.1	.3	.1						9.7	6.1
SSW	1.8	3.8	3.4	1.8	.2	.1	.1				11.3	7.7
SW	1.5	1.7	2.4	1.6	.5	.1					7.8	8.5
WSW	.8	1.7	1.6	.9	.3						5.3	7.6
W	1.6	3.2	3.2	1.6	.3	.1					10.1	7.6
WNW	1.0	1.3	3.3	2.3	.6	.1					8.6	10.0
NW	1.1	1.0	1.6	1.2	.1	.1					5.1	8.2
NNW	.5	.4	1.3	.6	.2						3.1	8.4
VARIABLE												
CALM	////////////////////										15.6	////
TOTALS	17.2	25.2	27.2	11.7	2.5	.5	.1				100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745703 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: DEC HOURS(1ST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	1.5	1.5	.8	.1	.1					5.0	7.2
NNE	.6	.7	.5	.2							2.0	5.7
NE	.6	1.1	.6	.1							2.4	5.4
ENE	.6	.7	.4	.1							1.8	5.0
E	1.0	1.2	1.0	.1							3.3	5.5
ESE	.7	.8	.4	.1							2.0	5.0
SE	.7	.9	.4	.1							2.2	4.9
SSE	1.5	1.9	1.0	.1							4.6	5.0
S	1.8	3.0	3.0	.9	.1						8.8	6.4
SSW	1.3	3.1	4.2	2.5	.4	.0	.0				11.5	8.3
SW	1.1	2.0	2.7	2.8	.6	.1	.0	.0			9.3	9.3
WSW	.8	1.7	2.7	1.9	.2	.1	.0				7.3	8.7
W	1.2	2.5	3.5	3.0	.6	.2					11.0	9.4
WNW	.8	1.5	2.7	2.5	.4	.1	.0				8.2	9.8
NW	.5	1.2	1.7	.8	.1	.1					4.4	8.3
NNW	.7	1.3	1.3	.7	.0						4.0	7.1
VARIABLE												
CALM	////////////////////										12.4	////
TOTALS	14.7	25.1	28.0	16.7	2.5	.6	.1	.0			100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 7439



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-85  
MONTH: ALL HOURS(1ST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.8	2.5	1.7	.5	.1	.0						6.6	5.8
NNE	1.4	1.5	.9	.3	.0	.0						4.1	5.3
NE	1.2	1.3	.7	.2	.0	.0						3.4	5.3
ENE	.8	.9	.6	.1	.0	.0						2.5	5.3
E	1.1	1.2	.8	.2	.0							3.3	5.3
ESE	.8	.9	.5	.1	.0							2.4	4.9
SE	.8	.8	.4	.1	.0							2.1	4.8
SSE	1.3	1.4	.7	.2	.0	.0						3.7	5.1
S	1.6	2.6	1.9	.6	.1	.0	.0					6.8	6.2
SSW	1.5	2.4	2.3	1.2	.2	.0	.0	.0				7.7	7.3
SW	1.4	1.9	2.0	1.5	.2	.1	.0	.0				7.0	7.8
WSW	1.1	2.0	2.3	1.4	.2	.1	.0	.0				7.2	8.1
W	1.2	2.2	2.9	2.1	.5	.1	.0	.0				8.9	8.8
WNW	.7	1.3	1.7	1.2	.2	.0	.0					5.2	8.4
NW	.6	1.2	1.4	.6	.1	.0	.0					4.0	7.4
NNW	.9	1.6	1.4	.4	.0	.0						4.5	6.4
VARIABLE													
CALM	////////////////////											20.6	////
TOTALS	18.3	25.9	22.4	10.7	1.6	.4	.0	.0				100.0	5.4

TOTAL NUMBER OF OBSERVATIONS: 87652

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-85  
MONTH: ALL HOURS(DIST): ALL

CEILINGS 200 TO 1400 FEET WITH VISIBILITIES 1/2 MILE OR MORE

AND/OR

CEILINGS 200 FEET OR MORE WITH VISIBILITIES 1/2 TO 2-1/2 MILES

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.4	3.1	2.8	1.1	.2	.0					8.6	7.1
NNE	1.2	1.8	1.4	.8	.1	.0					5.3	6.9
NE	1.1	1.4	1.3	.6	.0	.0					4.5	6.5
ENE	.8	1.0	1.0	.3	.0	.0					3.3	6.4
E	1.2	1.5	1.4	.2							4.4	5.7
ESE	1.0	1.1	.7	.1	.0						2.8	5.1
SE	.7	.9	.6	.2	.0						2.4	5.5
SSE	1.2	1.2	.9	.3							3.6	5.5
S	1.4	2.4	1.9	.6	.0	.0					6.3	6.2
SSW	1.3	2.1	2.3	.8	.1						6.6	6.8
SW	.9	1.6	1.8	1.0	.1	.0					5.5	7.4
WSW	.8	1.8	2.1	1.1	.2	.1	.0				6.2	8.2
W	1.0	2.1	2.9	2.3	.6	.2	.0				9.2	9.4
WNW	.8	1.2	1.7	1.1	.1	.0	.0				5.0	8.3
NW	.5	1.3	1.5	.8	.1	.0					4.2	8.0
NNW	.7	1.9	2.0	.9	.0	.0					5.6	7.5
VARIABLE												
CALM	////////////////////										16.6	////
TOTALS	16.1	26.4	26.2	12.4	1.7	.5	.1				100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 11796

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APPLICATIONS CENTER

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968. For most Airways stations, visibilities of greater than 7 miles were not reported for part of the period of record. Therefore, the  $\geq 10$  mi visibility category should be used with great caution.

(continued on Reverse Side)

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

**EXAMPLE # 1** Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

**EXAMPLE # 2** Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

**EXAMPLE # 3** To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

**EXAMPLE # 4** Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.  
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

**EXAMPLE # 5** To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $\geq 1$  mile, but < 3 miles; or ceiling  $\geq 500$  feet, but < 1500 feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: JAN HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CLIC	25.7	27.1	27.8	28.4	29.0	29.5	29.8	29.8	29.8	29.9	29.9	29.9	30.0	30.0	30.1	30.1
GE 20000	25.2	28.7	29.5	30.3	30.6	31.1	31.5	31.5	31.5	31.6	31.6	31.6	31.6	31.7	31.7	31.8
GE 18000	25.2	28.7	29.5	30.3	30.6	31.1	31.5	31.5	31.5	31.6	31.6	31.6	31.6	31.7	31.7	31.8
GE 16000	25.2	28.7	29.5	30.3	30.6	31.1	31.5	31.5	31.5	31.6	31.6	31.6	31.6	31.7	31.7	31.8
GE 14000	25.2	28.7	29.5	30.3	30.6	31.1	31.5	31.5	31.5	31.6	31.6	31.6	31.6	31.7	31.7	31.8
GE 12000	26.2	29.9	30.6	31.2	31.8	32.3	32.8	32.8	32.8	33.0	33.0	33.0	33.0	33.1	33.1	33.2
GE 10000	27.7	31.6	32.4	32.9	33.5	34.0	34.5	34.5	34.5	34.7	34.7	34.7	34.7	34.8	34.8	34.9
GE 9000	28.0	31.9	32.7	33.2	34.0	34.4	34.9	34.9	34.9	35.2	35.2	35.2	35.2	35.3	35.3	35.4
GE 8000	31.1	35.2	36.0	37.3	37.8	38.3	38.8	38.8	38.8	39.0	39.0	39.0	39.0	39.1	39.1	39.2
GE 7000	31.8	36.1	37.0	38.3	38.8	39.2	39.8	39.8	39.8	40.0	40.0	40.0	40.0	40.1	40.1	40.2
GE 6000	32.2	36.6	37.4	38.4	39.2	39.7	40.2	40.2	40.2	40.4	40.4	40.4	40.4	40.5	40.5	40.6
GE 5000	34.6	39.6	40.5	41.5	42.4	42.8	43.3	43.3	43.3	43.5	43.5	43.5	43.5	43.7	43.7	43.8
GE 4500	36.3	42.3	43.2	44.2	45.2	45.6	46.1	46.1	46.1	46.3	46.3	46.3	46.3	46.5	46.5	46.6
GE 4000	37.1	43.3	44.5	45.5	46.5	46.9	47.4	47.4	47.4	47.6	47.6	47.6	47.6	47.7	47.7	47.8
GE 3500	39.0	46.3	48.1	49.3	50.1	50.5	51.1	51.1	51.1	51.3	51.3	51.3	51.3	51.4	51.4	51.5
GE 3000	41.4	49.6	51.4	52.7	54.4	55.2	55.7	55.7	55.7	55.9	55.9	55.9	55.9	56.0	56.1	56.1
GE 2500	44.2	54.4	56.6	58.3	60.2	61.1	61.8	62.2	62.2	62.4	62.4	62.4	62.4	62.5	62.5	62.6
GE 2000	46.8	57.7	60.0	61.4	64.1	65.4	66.8	67.1	67.1	67.4	67.5	67.5	67.5	67.6	67.6	67.7
GE 1800	48.3	59.8	62.0	63.4	66.1	67.5	68.9	69.2	69.2	69.6	69.7	69.7	69.7	69.8	69.8	69.9
GE 1500	50.8	64.3	67.2	68.5	71.8	73.3	74.8	75.3	75.3	76.0	76.1	76.1	76.2	76.2	76.3	76.3
GE 1200	51.9	68.1	71.4	73.3	77.3	78.8	80.5	81.3	81.4	82.2	82.3	82.3	82.3	82.4	82.4	82.5
GE 1000	51.9	69.0	72.7	74.8	79.6	81.2	83.0	83.9	84.0	84.9	85.5	85.5	85.5	85.6	85.7	85.7
GE 900	52.0	69.6	73.4	75.7	80.9	82.5	84.3	85.2	85.3	86.2	86.8	86.8	86.8	86.9	87.0	87.0
GE 800	52.0	70.3	74.4	77.3	83.1	84.8	87.2	88.4	88.7	90.0	90.5	90.5	90.5	90.6	90.6	90.8
GE 700	52.0	70.4	74.7	77.5	84.4	86.2	88.7	90.1	90.4	91.7	92.4	92.4	92.4	92.5	92.6	92.6
GE 600	52.0	70.8	75.4	78.5	85.5	87.3	89.8	91.3	91.6	92.9	93.5	93.5	93.5	93.7	93.7	93.8
GE 500	52.0	71.1	75.9	79.3	86.1	88.0	90.6	92.3	92.8	94.5	95.3	95.3	95.3	95.5	95.5	95.6
GE 400	52.0	71.1	75.9	79.3	86.3	88.3	91.2	93.0	93.5	95.6	96.5	96.5	96.5	96.8	96.8	96.9
GE 300	52.0	71.1	75.9	79.3	86.3	88.3	91.2	93.2	93.8	95.8	97.2	97.3	97.3	97.5	97.5	97.7
GE 200	52.0	71.1	75.9	79.3	86.3	88.3	91.2	93.4	94.4	96.5	98.1	98.2	98.6	98.6	98.7	98.8
GE 100	52.0	71.1	75.9	79.3	86.3	88.3	91.2	93.4	94.4	96.5	98.1	98.2	98.6	98.6	98.7	98.8
GE 0	52.0	71.1	75.9	79.3	86.3	88.3	91.2	93.4	94.4	96.6	98.2	98.3	98.7	98.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: JAN HOURS(EST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE J
NO CEIL	22.0	25.1	25.8	26.3	26.6	27.2	27.4	27.6	27.6	27.6	27.6	27.6	27.8	27.8	28.0	28.2
GE 20000	22.7	26.1	27.0	27.3	27.8	28.5	28.7	28.9	28.9	28.9	28.9	28.9	29.1	29.1	29.2	29.5
GE 18000	22.7	26.1	27.0	27.3	27.8	28.5	28.7	28.9	28.9	28.9	28.9	28.9	29.1	29.1	29.2	29.5
GE 16000	22.7	26.1	27.0	27.3	27.8	28.5	28.7	28.9	28.9	28.9	28.9	28.9	29.1	29.1	29.2	29.5
GE 14000	22.8	26.2	27.2	27.5	28.1	28.7	28.9	29.1	29.1	29.1	29.1	29.1	29.4	29.4	29.5	29.7
GE 12000	23.2	26.7	27.6	28.3	28.5	29.1	29.4	29.6	29.6	29.6	29.6	29.6	29.8	29.8	29.9	30.1
GE 10000	24.2	28.5	29.5	29.8	30.3	31.0	31.2	31.4	31.4	31.4	31.4	31.4	31.6	31.6	31.7	31.9
GE 9000	24.3	28.8	29.8	30.1	30.6	31.3	31.5	31.7	31.7	31.7	31.7	31.7	31.9	31.9	32.0	32.3
GE 8000	28.5	33.0	34.0	34.4	35.1	35.7	35.9	36.1	36.1	36.1	36.1	36.1	36.3	36.3	36.5	36.7
GE 7000	29.6	34.4	35.4	35.3	36.5	37.1	37.3	37.5	37.5	37.5	37.5	37.5	37.7	37.7	37.8	38.2
GE 6000	29.9	34.8	35.8	36.7	37.3	38.0	38.2	38.4	38.4	38.4	38.4	38.4	38.6	38.6	38.7	39.0
GE 5000	31.6	36.7	37.8	38.3	39.5	40.1	40.3	40.5	40.5	40.5	40.5	40.5	40.8	40.8	40.9	41.2
GE 4500	32.9	38.4	39.8	40.3	41.5	42.2	42.4	42.6	42.6	42.6	42.6	42.6	42.8	42.8	42.9	43.2
GE 4000	34.7	40.2	41.6	42.5	43.4	44.2	44.4	44.6	44.6	44.6	44.6	44.6	44.8	44.8	44.9	45.3
GE 3500	35.7	41.9	43.5	44.5	45.6	46.3	46.6	47.0	47.0	47.0	47.1	47.1	47.3	47.3	47.4	47.7
GE 3000	37.8	45.3	47.3	48.7	50.2	51.0	51.3	51.7	51.7	51.8	51.9	51.9	52.2	52.2	52.3	52.6
GE 2500	39.9	49.2	52.2	54.1	56.3	57.1	57.4	58.0	58.0	58.1	58.2	58.2	58.4	58.4	58.5	58.8
GE 2000	43.0	54.1	57.2	59.5	62.2	62.9	63.2	64.1	64.1	64.2	64.3	64.3	64.5	64.5	64.6	64.9
GE 1800	43.5	55.4	58.6	61.2	64.2	65.1	65.4	66.2	66.3	66.6	66.7	66.7	66.9	66.9	67.0	67.3
GE 1500	46.3	60.6	64.0	66.9	70.4	71.8	72.3	73.1	73.2	73.5	73.7	73.7	73.9	73.9	74.0	74.3
GE 1200	47.7	64.1	68.2	71.3	75.3	76.8	77.4	78.5	78.7	79.1	79.2	79.2	79.5	79.5	79.6	79.9
GE 1000	48.2	67.1	71.3	74.4	78.8	80.4	81.1	82.3	82.6	83.3	83.5	83.5	83.8	83.8	83.9	84.2
GE 900	48.3	68.1	72.6	76.7	80.6	82.3	82.9	84.1	84.4	85.3	85.5	85.5	85.7	85.7	85.8	86.1
GE 800	48.3	68.7	73.5	77.1	82.2	83.9	85.2	86.8	87.3	88.4	88.6	88.6	88.8	88.8	88.9	89.2
GE 700	48.3	68.9	74.1	77.5	82.9	84.6	86.1	88.4	89.1	90.8	91.1	91.1	91.3	91.3	91.4	91.8
GE 600	48.3	69.5	74.8	78.6	84.3	86.0	87.7	90.1	90.9	92.7	93.0	93.0	93.2	93.2	93.3	93.8
GE 500	48.3	69.6	74.9	78.3	84.8	86.7	88.8	91.4	92.3	94.2	94.7	94.7	94.9	94.9	95.1	95.5
GE 400	48.3	69.6	74.9	78.3	84.9	86.8	89.2	91.9	92.8	94.9	95.5	95.5	95.8	95.8	95.9	96.3
GE 300	48.3	69.8	75.2	79.3	85.2	87.0	89.5	92.5	93.3	95.6	96.5	96.5	96.9	96.9	97.0	97.6
GE 200	48.3	69.8	75.2	79.3	85.2	87.0	89.5	92.5	93.4	95.7	96.7	96.7	97.3	97.3	97.4	98.2
GE 100	48.3	69.8	75.2	79.3	85.2	87.0	89.6	92.8	93.8	96.1	97.1	97.1	97.8	98.0	98.6	99.5
GE 0	48.3	69.8	75.2	79.3	85.2	87.0	89.6	92.8	93.8	96.1	97.1	97.1	97.8	98.0	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: JAN HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	20.8	25.3	26.1	26.7	27.7	28.4	28.7	28.8	28.8	28.8	28.9	28.9	28.9	28.9	28.9	29.0
GE 20000	21.9	27.0	28.2	28.3	30.0	30.8	31.1	31.2	31.2	31.2	31.3	31.3	31.3	31.3	31.3	31.4
GE 18000	21.9	27.0	28.2	28.3	30.0	30.9	31.2	31.3	31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.5
GE 16000	21.9	27.0	28.2	28.3	30.0	30.9	31.2	31.3	31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.5
GE 14000	22.0	27.3	28.5	29.1	30.3	31.2	31.5	31.6	31.6	31.6	31.7	31.7	31.7	31.7	31.7	31.8
GE 12000	22.0	27.4	28.6	29.2	30.4	31.3	31.6	31.7	31.7	31.7	31.8	31.8	31.8	31.8	31.8	31.9
GE 10000	24.0	29.8	31.0	31.3	33.0	33.9	34.2	34.3	34.3	34.3	34.4	34.4	34.4	34.4	34.4	34.5
GE 9000	24.0	30.2	31.4	32.3	33.4	34.3	34.6	34.7	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.9
GE 8000	27.3	33.9	35.1	36.3	37.3	38.2	38.5	38.6	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.8
GE 7000	28.3	35.4	36.6	37.5	38.8	39.7	40.0	40.2	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.6
GE 6000	28.6	35.8	37.0	38.1	39.4	40.2	40.5	40.8	41.0	41.0	41.1	41.1	41.1	41.1	41.1	41.2
GE 5000	30.8	38.2	39.5	40.3	42.2	43.0	43.3	43.5	43.8	43.8	43.9	43.9	43.9	43.9	43.9	44.0
GE 4500	32.0	39.7	41.2	42.5	43.9	44.7	45.1	45.3	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.7
GE 4000	33.2	41.1	42.6	43.9	45.4	46.2	46.6	46.8	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.2
GE 3500	34.1	42.3	43.8	45.2	46.7	47.5	47.8	48.1	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.5
GE 3000	35.6	44.4	45.9	48.2	50.1	51.3	51.7	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.5
GE 2500	38.1	48.0	50.4	53.2	55.6	56.9	57.5	57.8	58.2	58.4	58.5	58.5	58.5	58.5	58.5	58.6
GE 2000	39.9	51.3	53.9	57.3	59.7	61.3	62.2	62.5	62.8	63.0	63.1	63.1	63.1	63.1	63.1	63.2
GE 1800	40.3	51.9	54.5	57.6	60.5	62.2	63.0	63.3	63.7	63.9	64.0	64.0	64.0	64.0	64.0	64.1
GE 1500	42.6	57.6	60.8	64.3	67.4	69.0	70.0	70.3	70.6	71.0	71.1	71.1	71.1	71.1	71.1	71.2
GE 1200	43.9	60.8	64.6	68.7	72.0	73.8	75.1	75.5	75.8	76.1	76.2	76.2	76.2	76.2	76.2	76.3
GE 1000	44.4	63.5	68.5	73.5	77.3	79.2	81.0	81.5	81.8	82.2	82.3	82.3	82.3	82.3	82.3	82.4
GE 900	44.5	64.0	69.2	74.7	78.9	81.3	83.1	83.9	84.3	84.6	84.8	84.8	84.8	84.8	84.8	84.9
GE 800	44.7	64.7	70.3	76.1	80.4	83.1	85.3	86.1	86.6	87.1	87.3	87.3	87.4	87.4	87.4	87.5
GE 700	44.8	64.9	70.5	76.3	81.0	83.8	85.9	87.1	87.6	88.4	88.7	88.7	89.0	89.0	89.2	89.4
GE 600	44.9	65.3	71.0	77.2	81.9	84.8	87.3	88.8	89.4	90.2	90.6	90.6	91.0	91.0	91.2	91.3
GE 500	44.9	65.6	71.3	77.5	82.4	85.5	88.5	90.1	91.0	92.2	93.0	93.0	93.5	93.5	93.8	93.9
GE 400	44.9	65.6	71.4	77.8	82.8	86.1	89.4	91.2	92.0	93.5	95.1	95.2	95.8	95.8	96.0	96.1
GE 300	44.9	65.6	71.4	78.3	82.9	86.3	89.6	91.5	92.6	94.2	95.9	96.0	96.7	96.7	96.9	97.0
GE 200	44.9	65.6	71.4	78.3	83.0	86.5	89.9	91.8	92.9	94.7	96.5	96.6	97.6	97.7	98.0	98.1
GE 100	44.9	65.6	71.4	78.3	83.0	86.5	89.9	92.0	93.1	95.3	97.1	97.2	98.6	98.9	99.1	99.4
GE 0	44.9	65.6	71.4	78.3	83.0	86.5	89.9	92.0	93.1	95.3	97.1	97.2	98.6	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: JAN HOURS(EST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	20.1	26.3	27.3	28.5	29.5	29.7	29.9	30.1	30.2	30.2	30.3	30.3	30.4	30.5	30.5	30.5
GE 20000	22.3	29.7	31.2	32.9	33.9	34.1	34.3	34.5	34.7	34.7	34.8	34.8	34.9	35.1	35.1	35.1
GE 18000	22.4	29.8	31.3	33.1	34.1	34.3	34.5	34.7	34.9	34.9	35.1	35.1	35.2	35.3	35.3	35.3
GE 16000	22.4	29.9	31.4	33.2	34.2	34.4	34.6	34.8	35.1	35.1	35.2	35.2	35.3	35.4	35.4	35.4
GE 14000	22.4	29.9	31.4	33.2	34.2	34.4	34.6	34.8	35.1	35.1	35.2	35.2	35.3	35.4	35.4	35.4
GE 12000	22.8	30.6	32.4	34.2	35.4	35.6	35.8	36.0	36.2	36.2	36.3	36.3	36.5	36.6	36.6	36.6
GE 10000	23.9	32.8	34.5	36.7	38.1	38.4	38.8	39.0	39.2	39.2	39.4	39.4	39.5	39.6	39.6	39.6
GE 9000	24.1	33.0	34.7	36.9	38.3	38.6	39.0	39.2	39.5	39.5	39.6	39.6	39.7	39.8	39.8	39.8
GE 8000	25.6	35.8	37.5	39.3	41.4	41.7	42.2	42.5	42.7	42.7	42.8	42.8	42.9	43.0	43.0	43.0
GE 7000	26.5	37.1	38.8	41.1	43.1	43.4	43.9	44.2	44.4	44.4	44.5	44.5	44.6	44.7	44.7	44.7
GE 6000	26.9	37.6	39.4	41.5	43.7	44.0	44.4	44.7	44.9	44.9	45.1	45.1	45.2	45.3	45.3	45.3
GE 5000	28.0	39.8	41.5	43.9	46.1	46.7	47.1	47.4	47.6	47.6	47.7	47.7	47.8	48.0	48.0	48.0
GE 4500	28.8	41.0	42.7	45.1	47.3	47.8	48.3	48.6	48.8	48.8	48.9	48.9	49.0	49.1	49.1	49.1
GE 4000	29.4	42.0	43.8	46.3	48.8	49.4	50.0	50.3	50.6	50.6	50.8	50.8	50.9	51.0	51.0	51.0
GE 3500	30.0	43.3	45.2	47.4	50.3	50.9	51.5	51.9	52.3	52.4	52.5	52.5	52.6	52.7	52.7	52.7
GE 3000	31.1	44.9	46.9	49.5	52.3	52.8	53.8	54.2	54.6	54.8	55.1	55.1	55.2	55.3	55.3	55.3
GE 2500	32.2	47.7	50.3	53.1	56.0	56.8	58.0	58.6	59.0	59.2	59.5	59.5	59.6	59.7	59.7	59.7
GE 2000	34.1	50.8	53.7	56.5	59.8	60.9	62.2	63.1	63.7	64.0	64.2	64.2	64.3	64.4	64.4	64.4
GE 1800	34.4	51.3	54.4	57.4	60.6	61.9	63.2	64.3	64.8	65.2	65.5	65.5	65.6	65.7	65.7	65.7
GE 1500	35.7	56.1	59.7	63.3	66.8	68.2	69.9	71.6	72.3	73.0	73.7	73.7	73.8	73.9	73.9	73.9
GE 1200	36.0	58.5	62.6	65.9	70.2	71.8	74.0	75.7	76.6	77.3	78.2	78.2	78.3	78.4	78.4	78.4
GE 1000	36.3	60.2	65.2	69.1	74.6	76.3	78.9	81.1	81.9	82.9	84.0	84.0	84.1	84.2	84.2	84.2
GE 900	36.6	61.3	66.5	70.5	76.6	78.3	81.0	83.2	84.2	85.3	86.6	86.6	86.7	86.8	86.8	86.8
GE 800	36.6	61.9	67.3	71.9	78.5	80.2	83.1	85.5	86.9	88.1	89.5	89.5	89.6	89.7	89.7	89.7
GE 700	36.6	61.9	67.3	71.9	78.8	80.9	83.8	86.1	87.5	88.9	90.4	90.4	90.8	91.0	91.0	91.0
GE 600	36.6	62.2	67.5	72.3	79.2	81.4	84.6	87.5	89.1	90.5	92.3	92.3	92.8	93.0	93.0	93.0
GE 500	36.6	62.2	67.5	72.4	80.0	82.3	85.9	89.1	91.0	92.5	94.5	94.5	94.6	95.6	95.8	95.8
GE 400	36.6	62.2	67.5	72.7	80.4	82.6	86.6	90.1	91.9	94.0	96.0	96.0	96.1	97.4	97.6	97.7
GE 300	36.6	62.2	67.5	72.7	80.4	82.8	86.6	90.4	92.3	94.3	96.9	97.0	98.3	98.5	98.6	98.6
GE 200	36.6	62.2	67.5	72.7	80.4	82.8	86.6	90.6	92.5	94.6	97.2	97.3	98.6	98.9	99.0	99.0
GE 100	36.6	62.2	67.5	72.7	80.4	82.8	86.6	90.6	92.5	94.6	97.2	97.3	98.7	99.0	99.2	99.6
GE 0	36.6	62.2	67.5	72.7	80.4	82.8	86.6	90.6	92.5	94.6	97.2	97.3	98.7	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: JAN HOURS(ELST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	22.0	28.1	28.7	29.2	30.1	30.1	30.3	30.3	30.3	30.3	30.6	30.6	30.6	30.6	30.6	30.6
GE 20000	26.8	34.3	34.9	35.2	36.6	36.6	36.9	36.9	36.9	36.9	37.2	37.2	37.2	37.2	37.2	37.2
GE 18000	27.1	34.7	35.4	36.3	37.0	37.0	37.3	37.3	37.3	37.3	37.6	37.6	37.6	37.6	37.6	37.6
GE 16000	27.1	34.7	35.4	36.3	37.0	37.0	37.3	37.3	37.3	37.3	37.6	37.6	37.6	37.6	37.6	37.6
GE 14000	27.3	34.9	35.6	36.2	37.2	37.2	37.5	37.5	37.5	37.5	37.8	37.8	37.8	37.8	37.8	37.8
GE 12000	28.6	36.3	37.0	37.7	38.8	38.8	39.1	39.1	39.1	39.1	39.5	39.5	39.5	39.5	39.5	39.5
GE 10000	30.1	38.9	39.6	40.5	41.7	41.7	42.2	42.2	42.2	42.2	42.5	42.5	42.5	42.5	42.5	42.5
GE 9000	30.3	39.4	40.0	41.1	42.2	42.2	42.6	42.6	42.6	42.6	42.9	42.9	42.9	42.9	42.9	42.9
GE 8000	32.0	42.2	42.9	44.3	45.1	45.1	45.5	45.5	45.5	45.5	45.8	45.8	45.8	45.8	45.8	45.8
GE 7000	33.2	44.0	44.9	46.2	47.3	47.3	47.7	47.7	47.7	47.7	48.1	48.1	48.1	48.1	48.1	48.1
GE 6000	34.1	44.9	45.9	47.2	48.3	48.3	48.7	48.7	48.7	48.7	49.0	49.0	49.0	49.0	49.0	49.0
GE 5000	34.4	46.2	47.2	48.7	49.8	49.8	50.2	50.2	50.2	50.2	50.5	50.5	50.5	50.5	50.5	50.5
GE 4500	35.3	47.3	48.4	49.9	51.2	51.4	51.8	51.8	51.8	51.8	52.2	52.2	52.2	52.2	52.2	52.2
GE 4000	36.3	48.7	49.9	51.7	53.1	53.3	53.8	53.8	53.8	53.9	54.2	54.2	54.2	54.2	54.2	54.2
GE 3500	36.8	49.9	51.2	53.3	55.1	55.3	55.8	55.8	55.8	55.9	56.2	56.2	56.2	56.2	56.2	56.2
GE 3000	38.4	52.4	53.9	56.2	58.3	58.5	59.0	59.1	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7
GE 2500	41.6	57.5	59.5	61.9	64.1	64.4	65.1	65.2	65.4	65.5	65.8	65.8	65.8	65.8	65.8	65.8
GE 2000	43.0	60.1	62.5	65.2	67.7	68.3	68.9	69.1	69.5	69.6	69.9	69.9	69.9	69.9	69.9	69.9
GE 1800	43.4	60.5	63.2	65.9	68.6	69.1	69.9	70.1	70.4	70.5	70.9	70.9	70.9	70.9	70.9	70.9
GE 1500	44.8	64.7	68.6	72.2	74.8	75.6	76.5	76.9	77.2	77.4	77.8	77.8	77.8	77.8	77.8	78.1
GE 1200	45.3	67.6	72.0	76.2	79.5	80.4	81.3	81.7	82.2	82.5	83.0	83.0	83.0	83.0	83.0	83.2
GE 1000	45.5	68.5	73.0	77.5	81.3	82.3	83.4	83.9	84.4	84.8	85.5	85.5	85.6	85.6	85.6	85.9
GE 900	45.6	69.4	74.2	79.5	84.1	85.3	86.6	87.2	88.0	88.6	89.2	89.2	89.5	89.5	89.5	89.9
GE 800	45.6	69.8	74.8	80.1	85.4	86.7	88.2	88.9	90.0	90.8	91.4	91.4	91.6	91.6	91.6	91.9
GE 700	45.6	69.8	74.9	80.2	86.3	87.8	89.7	90.6	91.8	92.7	93.3	93.3	93.5	93.5	93.5	93.9
GE 600	45.6	69.8	75.1	80.4	86.9	88.4	90.3	91.3	92.7	93.5	94.4	94.4	94.8	94.8	94.8	95.2
GE 500	45.6	69.9	75.2	80.3	87.7	89.4	91.4	92.4	93.9	94.7	95.7	95.9	96.7	96.7	96.7	97.3
GE 400	45.6	70.0	75.3	81.2	88.2	89.9	92.4	93.4	94.9	95.8	97.0	97.2	98.2	98.2	98.2	98.5
GE 300	45.6	70.0	75.3	81.2	88.2	89.9	92.4	93.5	95.1	96.0	97.3	97.5	98.6	98.7	98.7	99.0
GE 200	45.6	70.0	75.3	81.2	88.2	89.9	92.4	93.7	95.2	96.1	97.5	97.7	98.9	99.0	99.0	99.4
GE 100	45.6	70.0	75.3	81.2	88.2	89.9	92.4	93.7	95.2	96.1	97.5	97.7	98.9	99.1	99.2	99.7
GE 0	45.6	70.0	75.3	81.2	88.2	89.9	92.4	93.7	95.2	96.1	97.5	97.7	98.9	99.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: JAN HOURS(IST): 1500-1700

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET		GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL		25.4	33.0	34.1	34.3	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
GE 20000	30.2	38.8	39.9	40.2	41.0	41.0	41.0	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 18000	30.3	38.9	40.0	40.3	41.1	41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 16000	30.3	38.9	40.0	40.3	41.1	41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 14000	30.3	38.9	40.0	40.3	41.1	41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 12000	31.0	39.7	40.8	41.1	41.8	42.2	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 10000	32.9	41.8	43.1	43.5	44.3	44.6	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 9000	33.0	42.0	43.3	43.3	44.5	44.8	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 8000	36.1	46.8	48.2	48.7	49.5	49.8	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 7000	37.6	48.7	50.1	50.5	51.4	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 6000	37.7	49.1	50.5	51.1	51.8	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 5000	38.4	50.4	51.8	52.5	53.2	53.5	53.5	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 4500	38.9	51.3	52.8	53.4	54.2	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 4000	39.4	52.3	53.9	55.3	56.0	56.3	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 3500	40.2	53.8	55.7	57.1	58.0	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 3000	41.8	56.9	58.9	60.5	61.7	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 2500	45.2	62.3	64.5	66.5	68.3	68.9	69.0	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 2000	47.3	65.7	68.1	70.3	72.6	73.2	73.7	74.0	74.3	74.4	74.5	74.5	74.5	74.5	74.6	74.6	74.6
GE 1800	48.1	68.0	70.3	73.3	75.6	76.5	76.9	77.2	77.5	77.6	77.7	77.7	77.7	77.7	77.8	77.8	77.8
GE 1500	48.8	71.2	74.1	77.3	80.1	81.2	81.7	82.4	82.7	82.8	83.0	83.0	83.1	83.1	83.2	83.2	83.2
GE 1200	49.1	72.7	75.6	79.7	82.7	83.8	84.3	85.3	85.6	85.8	86.0	86.0	86.1	86.1	86.2	86.2	86.2
GE 1000	49.1	72.9	75.9	80.3	84.6	85.9	86.8	87.8	88.2	88.6	89.0	89.0	89.2	89.2	89.4	89.4	89.5
GE 900	49.1	73.4	77.3	82.3	86.6	88.0	89.1	90.2	90.5	91.0	91.5	91.5	92.0	92.0	92.2	92.2	92.3
GE 800	49.1	73.8	77.6	82.7	87.3	88.8	90.0	91.3	91.6	92.2	92.7	92.8	93.4	93.4	93.5	93.7	93.7
GE 700	49.1	73.8	77.6	82.7	87.4	88.9	90.1	91.4	91.7	92.5	93.0	93.1	93.9	93.9	94.0	94.1	94.1
GE 600	49.1	73.9	77.7	82.9	87.6	89.2	90.6	92.0	92.5	93.3	94.0	94.2	94.9	94.9	95.1	95.2	95.2
GE 500	49.2	74.1	78.0	83.1	87.8	89.6	91.0	92.4	92.8	93.7	94.6	94.9	96.1	96.1	96.2	96.3	96.3
GE 400	49.2	74.2	78.1	83.2	88.1	89.9	91.5	93.1	93.7	94.6	95.7	96.2	97.4	97.5	97.6	97.7	97.7
GE 300	49.4	74.3	78.3	83.5	88.4	90.2	91.8	93.4	94.0	95.3	96.3	96.9	98.4	98.6	98.7	98.9	98.9
GE 200	49.4	74.3	78.3	83.5	88.4	90.2	91.8	93.5	94.1	95.5	96.9	97.4	99.0	99.2	99.4	99.6	99.6
GE 100	49.4	74.3	78.3	83.5	88.4	90.2	91.8	93.5	94.1	95.5	96.9	97.4	99.0	99.2	99.4	99.7	99.7
GE 0	49.4	74.3	78.3	83.5	88.4	90.2	91.8	93.5	94.1	95.5	96.9	97.4	99.0	99.2	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: JAN HOURS(EST): 1800-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	26.5	33.0	33.7	34.1	34.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
GE 20000	31.2	38.6	39.2	39.7	39.9	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 18000	31.3	38.7	39.4	39.9	40.0	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
GE 16000	31.3	38.8	39.5	39.9	40.1	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 14000	31.5	39.0	39.7	40.1	40.3	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 12000	31.9	39.8	40.4	40.9	41.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 10000	34.3	42.3	43.0	43.4	43.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 9000	34.9	42.9	43.7	44.1	44.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 8000	38.3	46.7	47.4	48.2	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 7000	39.8	48.5	49.2	50.2	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 6000	40.0	48.7	49.6	50.5	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 5000	41.5	51.0	51.6	52.3	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 4500	41.8	51.9	52.8	53.3	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 4000	42.3	52.7	53.7	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 3500	43.2	54.2	55.2	56.2	56.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 3000	45.5	57.7	59.0	60.1	61.1	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 2500	49.1	62.8	65.1	66.3	67.5	68.2	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 2000	52.5	68.8	71.4	73.1	74.5	75.4	75.7	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 1800	53.2	70.4	73.3	75.2	76.8	77.6	78.0	78.2	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 1500	54.5	74.3	78.2	80.1	82.2	83.1	83.4	83.8	83.9	84.1	84.1	84.1	84.2	84.2	84.2	84.2
GE 1200	54.7	75.6	79.6	81.9	84.4	85.4	85.9	86.2	86.3	86.7	86.7	86.7	86.8	86.8	86.8	86.8
GE 1000	55.1	76.6	81.2	83.7	86.9	88.0	88.6	88.9	89.0	89.8	89.9	89.9	90.0	90.0	90.0	90.0
GE 900	55.2	77.0	82.2	84.5	88.3	89.5	90.2	90.5	90.6	91.4	91.6	91.6	91.7	91.7	91.7	91.7
GE 800	55.2	77.2	82.4	85.1	88.7	89.9	90.9	91.4	91.8	92.7	93.2	93.2	93.3	93.3	93.3	93.3
GE 700	55.2	77.3	82.5	85.2	89.0	90.3	91.3	91.9	92.4	93.3	93.9	93.9	94.1	94.1	94.1	94.1
GE 600	55.2	77.4	82.6	85.3	89.4	90.6	91.7	92.4	92.8	93.9	94.4	94.4	94.7	94.8	94.8	94.8
GE 500	55.2	77.4	82.6	85.3	89.5	90.9	91.9	92.6	93.3	94.5	95.4	95.4	95.7	95.8	95.8	95.8
GE 400	55.2	77.5	82.7	85.4	89.7	91.3	92.6	93.4	94.2	95.8	96.8	96.8	97.1	97.4	97.4	97.4
GE 300	55.2	77.5	82.7	85.4	89.9	91.5	92.8	93.8	94.6	96.3	97.5	97.5	98.1	98.5	98.5	98.6
GE 200	55.2	77.5	82.7	85.4	89.9	91.6	93.0	94.0	94.9	96.7	98.2	98.2	98.9	99.4	99.5	99.6
GE 100	55.2	77.5	82.7	85.4	89.9	91.6	93.0	94.0	94.9	96.7	98.2	98.2	98.9	99.4	99.6	99.7
GE 0	55.2	77.5	82.7	85.4	89.9	91.6	93.0	94.0	94.9	96.7	98.2	98.2	98.9	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: JAN HOURS(157): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	25.7	29.2	29.5	30.5	31.1	31.1	31.5	31.7	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
GE 20000	28.1	32.0	32.3	33.1	34.0	34.1	34.5	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
GE 18000	28.1	32.0	32.3	33.1	34.0	34.1	34.5	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
GE 16000	28.1	32.0	32.3	33.1	34.0	34.1	34.5	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
GE 14000	28.5	32.6	32.8	33.7	34.5	34.6	35.1	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
GE 12000	29.4	33.9	34.1	34.9	35.8	35.9	36.3	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
GE 10000	31.7	36.3	36.6	37.4	38.3	38.4	38.9	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 9000	32.2	36.9	37.1	38.3	38.8	38.9	39.5	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 8000	34.7	40.0	40.2	41.4	42.3	42.4	42.9	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 7000	36.2	41.6	41.8	43.3	43.9	44.0	44.5	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 6000	36.3	41.9	42.5	43.7	44.5	44.6	45.2	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 5000	39.2	45.4	45.9	47.1	48.0	48.1	48.6	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 4500	41.2	47.8	48.4	49.6	50.4	50.6	51.2	51.4	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 4000	42.3	49.5	50.2	51.4	52.3	52.5	53.1	53.3	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 3500	43.5	50.9	51.8	53.1	54.0	54.2	54.8	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 3000	46.3	54.7	55.9	57.2	58.3	58.8	59.5	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 2500	49.9	60.0	62.2	63.9	65.2	65.7	66.6	66.8	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 2000	53.1	65.5	68.2	70.3	71.7	72.5	73.7	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 1800	54.2	68.0	70.8	72.6	74.5	75.3	76.5	76.8	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 1500	55.5	72.4	75.4	77.4	79.8	80.5	82.0	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 1200	55.7	73.8	77.3	79.4	82.3	83.0	84.5	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 1000	56.0	74.9	78.7	81.3	84.6	85.6	87.3	88.0	88.2	88.6	89.0	89.0	89.0	89.0	89.0	89.0
GE 900	56.1	75.7	79.7	82.3	86.1	87.2	89.1	89.9	90.1	90.5	91.0	91.0	91.0	91.0	91.0	91.0
GE 800	56.1	76.0	80.3	83.2	87.4	88.6	91.0	92.0	92.7	93.3	93.9	93.9	93.9	93.9	93.9	93.9
GE 700	56.1	76.0	80.4	83.3	87.7	88.8	91.5	92.7	93.3	94.0	94.5	94.5	94.5	94.5	94.5	94.5
GE 600	56.1	76.0	80.4	83.4	88.3	89.6	92.3	93.5	94.2	94.8	95.4	95.4	95.4	95.4	95.4	95.4
GE 500	56.1	76.5	81.1	84.1	89.1	90.4	93.2	94.7	95.6	96.3	97.0	97.0	97.0	97.0	97.0	97.0
GE 400	56.1	76.5	81.1	84.1	89.1	90.5	93.4	95.1	96.2	97.1	97.7	97.7	97.7	97.7	97.7	97.7
GE 300	56.1	76.5	81.1	84.1	89.2	90.6	93.5	95.4	96.6	97.7	98.5	98.5	98.5	98.5	98.5	98.5
GE 200	56.1	76.5	81.2	84.2	89.4	90.8	93.7	95.5	96.8	98.0	98.7	98.7	98.9	98.9	98.9	98.9
GE 100	56.1	76.5	81.2	84.2	89.4	90.8	93.7	95.5	96.8	98.0	98.7	98.7	98.9	98.9	99.0	99.0
GE 01	56.1	76.5	81.2	84.2	89.4	90.8	93.7	95.5	96.8	98.1	98.8	98.8	99.0	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: JAN HOURS(LST): ALL

CEILING IN FEET	10	6	5	4	3	2 1/2	VISIBILITY IN STATUTE MILES									
							2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	23.3	28.4	29.1	29.7	30.4	30.6	30.9	31.0	31.0	31.0	31.1	31.1	31.1	31.1	31.2	31.2
GE 20000	26.0	31.9	32.8	33.5	34.2	34.5	34.8	34.9	34.9	34.9	35.0	35.0	35.1	35.1	35.1	35.1
GE 18000	26.1	32.0	32.9	33.5	34.3	34.7	34.9	35.0	35.0	35.1	35.1	35.1	35.2	35.2	35.2	35.3
GE 16000	26.1	32.0	32.9	33.5	34.4	34.7	34.9	35.0	35.1	35.1	35.1	35.1	35.2	35.2	35.2	35.3
GE 14000	26.3	32.2	33.1	33.9	34.5	34.9	35.1	35.2	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.5
GE 12000	26.9	33.0	33.9	34.7	35.5	35.8	36.1	36.2	36.2	36.3	36.3	36.3	36.4	36.4	36.4	36.5
GE 10000	28.6	35.3	36.2	37.3	37.9	38.2	38.5	38.6	38.7	38.7	38.8	38.8	38.8	38.9	38.9	38.9
GE 9000	28.8	35.6	36.6	37.4	38.3	38.6	39.0	39.0	39.1	39.1	39.2	39.2	39.2	39.3	39.3	39.3
GE 8000	31.7	39.2	40.2	41.2	42.1	42.5	42.8	42.9	42.9	43.0	43.0	43.0	43.1	43.1	43.1	43.2
GE 7000	32.9	40.7	41.7	42.3	43.8	44.2	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9
GE 6000	33.2	41.2	42.3	43.4	44.4	44.7	45.1	45.2	45.3	45.3	45.3	45.3	45.4	45.4	45.4	45.5
GE 5000	34.8	43.4	44.5	45.9	46.8	47.2	47.5	47.6	47.7	47.7	47.8	47.8	47.8	47.8	47.9	47.9
GE 4500	35.9	45.0	46.2	47.4	48.5	48.9	49.2	49.3	49.4	49.4	49.5	49.5	49.6	49.6	49.6	49.7
GE 4000	36.8	46.2	47.5	48.9	50.1	50.6	50.9	51.0	51.1	51.2	51.3	51.3	51.3	51.3	51.3	51.4
GE 3500	37.8	47.8	49.3	50.8	52.1	52.5	52.9	53.1	53.2	53.2	53.3	53.3	53.4	53.4	53.4	53.5
GE 3000	39.7	50.7	52.4	54.2	55.8	56.8	56.9	57.0	57.2	57.3	57.4	57.4	57.4	57.4	57.5	57.5
GE 2500	42.5	55.2	57.6	59.5	61.7	62.4	63.0	63.3	63.4	63.6	63.7	63.7	63.7	63.7	63.8	63.8
GE 2000	45.0	59.2	61.9	64.1	66.5	67.5	68.3	68.7	68.9	69.1	69.2	69.2	69.3	69.3	69.3	69.4
GE 1800	45.7	60.7	63.4	65.9	68.4	69.4	70.2	70.7	70.9	71.1	71.2	71.2	71.3	71.3	71.3	71.4
GE 1500	47.4	65.2	68.5	71.2	74.2	75.3	76.3	77.0	77.2	77.6	77.8	77.8	77.8	77.9	77.9	78.0
GE 1200	48.1	67.6	71.4	74.5	78.0	79.2	80.4	81.2	81.5	81.9	82.1	82.1	82.2	82.2	82.3	82.3
GE 1000	48.3	69.1	73.3	76.9	81.0	82.4	83.8	84.7	85.0	85.6	86.1	86.1	86.2	86.2	86.3	86.4
GE 900	48.4	69.8	74.4	78.2	82.8	84.3	85.8	86.8	87.2	87.9	88.4	88.4	88.5	88.5	88.6	88.7
GE 800	48.5	70.3	75.1	79.1	84.1	85.7	87.6	88.8	89.4	90.3	90.9	90.9	91.1	91.1	91.1	91.3
GE 700	48.5	70.4	75.3	79.4	84.7	86.4	88.4	89.8	90.5	91.5	92.2	92.2	92.4	92.5	92.5	92.7
GE 600	48.5	70.6	75.6	79.9	85.4	87.2	89.3	90.9	91.6	92.7	93.5	93.5	93.8	93.9	93.9	94.3
GE 500	48.5	70.8	75.8	80.1	85.9	87.8	90.2	91.9	92.8	94.1	95.0	95.1	95.6	95.7	95.7	95.9
GE 400	48.5	70.8	75.9	80.3	86.2	88.2	90.8	92.7	93.7	95.2	96.3	96.4	97.0	97.1	97.2	97.3
GE 300	48.5	70.9	75.9	80.4	86.3	88.3	90.9	93.0	94.0	95.7	97.0	97.2	97.9	98.0	98.1	98.3
GE 200	48.5	70.9	75.9	80.4	86.3	88.4	91.0	93.1	94.3	96.0	97.5	97.6	98.5	98.6	98.7	98.9
GE 100	48.5	70.9	75.9	80.4	86.3	88.4	91.0	93.2	94.3	96.1	97.6	97.7	98.7	98.9	99.1	99.4
GE 0	48.5	70.9	75.9	80.4	86.3	88.4	91.0	93.2	94.3	96.1	97.6	97.8	98.7	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: FEB HOURS(LST): 0300-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	28.6	35.2	37.2	38.5	40.6	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.3
GE 20000	31.3	38.4	40.4	41.7	43.8	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.5
GE 18000	31.3	38.4	40.4	41.7	43.8	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.5
GE 16000	31.3	38.4	40.4	41.7	43.8	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.5
GE 14000	31.7	38.9	40.9	42.2	44.3	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	45.0
GE 12000	32.4	39.9	41.9	43.2	45.3	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.1
GE 10000	34.5	42.8	45.0	46.3	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.1
GE 9000	35.0	43.3	45.7	47.3	49.1	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.8
GE 8000	37.1	45.8	48.2	49.5	51.6	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3
GE 7000	38.2	47.2	49.6	50.9	53.1	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.8
GE 6000	38.9	48.1	50.4	51.7	53.9	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.7
GE 5000	41.5	51.4	53.9	55.4	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4
GE 4500	43.9	54.5	57.1	58.7	61.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7
GE 4000	45.6	57.4	60.0	61.5	64.1	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9
GE 3500	46.2	58.7	61.5	63.3	66.0	66.5	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.9
GE 3000	49.5	63.5	66.4	68.1	71.3	71.8	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.2
GE 2500	50.4	66.1	69.0	70.3	74.0	74.7	74.8	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.1
GE 2000	51.1	70.4	73.6	75.5	78.8	79.5	79.6	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.0
GE 1800	51.4	70.9	74.1	76.3	79.4	80.1	80.2	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.6
GE 1500	54.7	74.0	77.4	79.5	83.3	84.5	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9
GE 1200	55.4	76.1	79.6	81.9	85.7	86.9	87.0	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.4
GE 1000	55.7	77.1	80.7	83.3	87.3	88.6	88.8	89.4	89.6	89.8	89.8	89.8	89.9	89.9	90.0	90.1
GE 900	55.7	77.5	81.2	83.5	88.1	89.4	89.8	90.5	90.7	90.8	90.8	90.8	90.9	90.9	91.4	91.5
GE 800	55.7	77.7	81.6	84.5	89.0	90.3	90.9	91.9	92.1	92.2	92.3	92.3	92.5	92.5	92.9	93.1
GE 700	55.7	78.0	81.9	84.3	89.4	90.8	91.6	92.7	92.9	93.1	93.2	93.2	93.3	93.3	93.8	93.9
GE 600	55.7	78.3	82.2	85.2	89.8	91.2	92.0	93.1	93.6	93.9	94.0	94.3	94.5	94.5	94.9	95.1
GE 500	55.7	78.3	82.2	85.3	90.0	91.4	92.2	93.8	94.6	94.9	95.2	95.5	95.6	95.6	96.1	96.2
GE 400	55.7	78.3	82.2	85.3	90.0	91.4	92.6	94.1	94.9	95.3	95.6	96.0	96.2	96.2	96.7	96.8
GE 300	55.7	78.3	82.2	85.3	90.0	91.4	92.6	94.9	95.8	96.5	97.2	97.5	97.8	97.8	98.2	98.4
GE 200	55.7	78.3	82.2	85.3	90.0	91.4	92.6	95.1	95.9	96.6	97.3	97.6	98.1	98.1	98.6	98.7
GE 100	55.7	78.3	82.2	85.3	90.0	91.4	92.6	95.1	95.9	96.6	97.3	97.6	98.1	98.1	98.7	99.4
GE 0	55.7	78.3	82.2	85.3	90.0	91.4	92.6	95.1	95.9	96.6	97.3	97.6	98.1	98.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: FEB HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	27.8	34.2	34.7	35.4	37.8	39.3	40.0	40.3	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.9
GE 20000	29.7	36.3	37.0	38.2	40.2	41.7	42.4	42.6	42.8	42.9	42.9	42.9	42.9	42.9	42.9	43.2
GE 18000	29.7	36.3	37.0	38.2	40.2	41.7	42.4	42.6	42.8	42.9	42.9	42.9	42.9	42.9	42.9	43.2
GE 16000	29.7	36.3	37.0	38.2	40.2	41.7	42.4	42.6	42.8	42.9	42.9	42.9	42.9	42.9	42.9	43.2
GE 14000	29.7	36.3	37.0	38.2	40.2	41.7	42.4	42.6	42.8	42.9	42.9	42.9	42.9	42.9	42.9	43.2
GE 12000	29.9	36.7	37.6	38.9	40.9	42.4	43.1	43.3	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.9
GE 10000	30.4	37.9	38.9	40.3	42.2	43.7	44.4	44.6	44.8	44.9	44.9	44.9	44.9	44.9	44.9	45.2
GE 9000	30.6	38.4	39.5	40.5	42.8	44.3	45.0	45.2	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.8
GE 8000	33.0	41.0	42.0	43.3	45.5	47.0	47.8	48.1	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.6
GE 7000	34.2	42.6	43.7	45.2	47.3	48.9	49.7	49.9	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.5
GE 6000	34.6	43.6	44.8	46.3	48.5	50.2	51.0	51.2	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.8
GE 5000	37.1	47.2	48.4	49.9	52.3	54.1	54.9	55.1	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.8
GE 4500	38.9	49.6	50.8	52.3	54.7	56.8	57.2	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.7	58.2
GE 4000	40.0	51.6	52.9	54.4	56.9	58.9	59.7	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.7
GE 3500	41.2	53.0	54.3	55.7	58.4	60.4	61.2	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	62.2
GE 3000	43.1	55.9	57.4	59.2	62.0	64.1	64.9	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.9
GE 2500	44.1	58.2	60.1	62.5	65.6	68.1	69.0	69.3	69.4	69.5	69.5	69.5	69.5	69.5	69.5	70.0
GE 2000	46.1	61.2	63.5	66.2	69.6	72.1	73.0	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	74.0
GE 1800	46.4	62.2	64.4	67.1	70.9	73.4	74.3	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	75.3
GE 1500	47.0	65.1	67.6	70.5	74.8	77.5	78.6	79.0	79.2	79.5	79.5	79.5	79.5	79.5	79.5	80.0
GE 1200	47.8	68.1	70.6	73.5	78.0	80.8	81.9	82.6	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.5
GE 1000	48.9	70.0	72.6	76.3	81.6	84.7	86.2	87.3	87.4	87.8	87.8	87.8	87.8	87.8	87.8	88.2
GE 900	48.9	70.2	72.9	76.7	82.3	85.4	87.2	88.2	88.3	88.7	88.7	88.7	88.7	88.7	88.7	89.2
GE 800	49.1	70.8	73.7	77.5	83.4	86.6	88.7	89.8	89.9	90.7	90.9	90.9	90.9	90.9	90.9	91.4
GE 700	49.2	71.1	74.2	78.2	84.2	87.6	89.9	91.0	91.2	92.0	92.2	92.2	92.2	92.2	92.2	92.7
GE 600	49.5	71.4	74.7	78.7	85.0	88.5	90.7	92.0	92.1	93.2	93.4	93.4	93.4	93.4	93.4	93.9
GE 500	49.5	71.5	74.8	78.9	85.4	88.8	91.2	92.7	92.8	94.0	94.2	94.2	94.2	94.2	94.2	94.7
GE 400	49.5	71.5	74.8	78.9	85.4	88.8	91.4	92.9	93.1	94.2	94.5	94.5	94.5	94.5	94.5	94.9
GE 300	49.6	71.6	74.9	79.2	85.6	89.2	92.0	93.6	93.9	95.2	95.6	95.6	95.6	95.6	95.6	96.6
GE 200	49.6	71.6	74.9	79.2	85.6	89.2	92.0	93.8	94.0	95.4	96.1	96.1	96.1	96.1	96.1	97.4
GE 100	49.6	71.6	74.9	79.2	85.6	89.2	92.0	93.8	94.0	95.4	96.1	96.1	96.1	97.1	97.2	97.5
GE 0	49.6	71.6	74.9	79.2	85.6	89.2	92.0	93.8	94.0	95.4	96.1	96.1	97.2	97.3	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 849



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: FEB HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	22.1	27.9	29.4	31.3	33.7	35.7	36.6	38.0	38.0	38.2	38.4	38.4	38.4	38.4	38.5	38.6
GE 20000	24.4	30.6	32.4	34.3	36.9	39.0	39.9	41.5	41.5	41.6	41.8	41.8	41.8	41.8	41.9	42.0
GE 18000	24.4	30.6	32.4	34.3	36.9	39.0	39.9	41.5	41.5	41.6	41.8	41.8	41.8	41.8	41.9	42.0
GE 16000	24.4	30.6	32.4	34.3	36.9	39.0	39.9	41.5	41.5	41.6	41.8	41.8	41.8	41.8	41.9	42.0
GE 14000	24.5	30.9	32.6	34.3	37.1	39.2	40.2	41.7	41.7	41.8	42.0	42.0	42.0	42.0	42.2	42.3
GE 12000	25.1	31.4	33.2	34.9	37.7	39.8	40.8	42.3	42.3	42.4	42.6	42.6	42.6	42.6	42.8	42.9
GE 10000	26.4	33.5	35.3	37.2	39.8	42.0	43.0	44.5	44.5	44.6	44.9	44.9	44.9	44.9	45.0	45.1
GE 9000	26.5	33.7	35.6	37.2	40.0	42.3	43.2	44.8	44.8	44.9	45.1	45.1	45.1	45.1	45.2	45.3
GE 8000	27.7	35.1	37.3	39.3	41.8	44.1	45.0	46.5	46.5	46.6	46.9	46.9	46.9	46.9	47.0	47.1
GE 7000	28.2	35.9	38.2	39.5	42.6	45.0	45.9	47.5	47.5	47.6	47.8	47.8	47.8	47.8	47.9	48.1
GE 6000	28.4	36.5	39.0	40.3	43.6	45.9	46.9	48.4	48.4	48.5	48.8	48.8	48.8	48.8	48.9	49.0
GE 5000	29.9	39.2	41.9	43.7	46.8	49.1	50.1	51.6	51.6	51.7	51.9	51.9	51.9	51.9	52.1	52.2
GE 4500	31.8	42.0	44.9	47.1	50.2	52.5	53.5	55.0	55.0	55.1	55.4	55.4	55.4	55.4	55.5	55.6
GE 4000	33.0	43.6	46.5	49.3	52.1	54.4	55.4	56.9	56.9	57.0	57.2	57.2	57.2	57.2	57.4	57.5
GE 3500	33.8	45.6	48.6	51.2	54.4	56.9	58.0	59.5	59.5	59.6	59.8	59.8	59.8	59.8	60.0	60.1
GE 3000	35.0	46.9	50.1	52.7	55.8	58.5	59.6	61.2	61.2	61.4	61.6	61.6	61.6	61.6	61.7	61.8
GE 2500	37.0	50.4	53.8	56.3	60.3	63.0	64.1	65.8	65.8	66.0	66.2	66.2	66.2	66.2	66.3	66.4
GE 2000	38.8	52.8	56.8	59.3	63.7	66.8	68.0	69.7	69.7	70.0	70.2	70.2	70.2	70.2	70.3	70.4
GE 1800	39.0	53.5	57.6	60.3	64.8	67.5	69.0	70.8	70.8	71.0	71.3	71.3	71.3	71.3	71.4	71.5
GE 1500	40.0	56.7	61.5	65.5	70.4	73.1	74.9	76.9	77.1	77.4	77.7	77.7	77.7	77.7	77.9	78.0
GE 1200	40.8	59.0	64.0	68.3	73.5	76.3	78.4	80.6	80.8	81.0	81.4	81.4	81.4	81.4	81.5	81.6
GE 1000	41.3	60.5	65.6	70.1	75.7	78.8	81.3	83.5	84.0	84.6	85.0	85.0	85.0	85.0	85.2	85.3
GE 900	41.3	61.2	66.7	71.3	77.1	80.4	83.4	85.7	86.2	86.9	87.4	87.4	87.4	87.4	87.5	87.6
GE 800	41.5	61.5	67.3	71.9	77.9	81.3	84.6	87.0	87.6	88.6	89.3	89.3	89.3	89.3	89.4	89.5
GE 700	41.5	61.7	67.5	72.3	78.7	82.1	85.7	88.2	88.8	89.9	90.7	90.7	90.7	90.7	90.8	90.9
GE 600	41.5	61.7	67.5	72.3	79.2	82.7	86.3	89.0	89.6	90.9	91.8	91.8	91.8	91.8	91.9	92.0
GE 500	41.5	62.0	67.7	72.5	79.9	83.4	87.2	90.1	90.7	92.7	93.9	93.9	94.2	94.2	94.3	94.5
GE 400	41.5	62.0	67.7	72.5	80.1	83.6	87.5	90.5	91.0	93.2	94.3	94.3	94.9	94.9	95.1	95.2
GE 300	41.5	62.0	67.7	72.5	80.1	83.6	87.6	90.9	91.5	93.8	95.1	95.1	95.8	96.0	96.1	96.2
GE 200	41.5	62.0	67.7	72.7	80.2	83.7	87.8	91.0	91.6	93.9	95.5	95.6	96.6	96.8	97.1	97.3
GE 100	41.5	62.0	67.7	72.7	80.2	83.7	87.8	91.0	91.6	93.9	95.6	95.8	96.9	97.3	97.8	98.7
GE 0	41.5	62.0	67.7	72.7	80.2	83.7	87.8	91.0	91.6	93.9	95.6	95.8	96.9	97.3	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: FEB HOURS(EST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	20.7	29.9	31.1	33.3	35.1	36.2	37.6	38.2	38.2	38.6	38.9	38.9	38.9	38.9	38.9	38.9
GE 20000	23.6	33.5	35.1	37.3	39.2	40.3	41.8	42.8	42.8	43.2	43.5	43.5	43.5	43.5	43.5	43.5
GE 18000	23.6	33.5	35.1	37.3	39.2	40.3	41.8	42.8	42.8	43.2	43.5	43.5	43.5	43.5	43.5	43.5
GE 16000	23.6	33.5	35.1	37.3	39.2	40.3	41.8	42.8	42.8	43.2	43.5	43.5	43.5	43.5	43.5	43.5
GE 14000	24.0	34.0	35.8	37.3	40.0	41.1	42.6	43.6	43.6	44.2	44.4	44.4	44.4	44.4	44.4	44.4
GE 12000	24.3	34.7	36.9	39.3	41.3	42.4	44.1	45.0	45.0	45.6	45.8	45.8	45.8	45.8	45.8	45.8
GE 10000	25.1	36.3	38.5	40.3	43.3	44.6	46.3	47.3	47.3	47.9	48.2	48.2	48.2	48.2	48.2	48.2
GE 9000	25.3	36.6	38.9	41.1	43.7	45.2	46.9	47.9	47.9	48.5	48.8	48.8	48.8	48.8	48.8	48.8
GE 8000	25.7	37.7	39.9	42.2	44.9	46.4	48.1	49.1	49.1	49.7	49.9	49.9	49.9	49.9	49.9	49.9
GE 7000	25.8	38.4	40.9	43.1	45.8	47.3	49.0	50.1	50.1	50.6	50.9	50.9	50.9	50.9	50.9	50.9
GE 6000	26.4	39.3	41.8	44.4	47.1	48.6	50.3	51.4	51.4	51.9	52.2	52.2	52.2	52.2	52.2	52.2
GE 5000	27.1	41.8	44.4	47.2	49.9	51.5	53.1	54.2	54.2	54.8	55.0	55.0	55.3	55.0	55.0	55.0
GE 4500	27.4	43.1	45.9	49.3	52.3	53.8	55.5	56.5	56.5	57.1	57.4	57.4	57.4	57.4	57.4	57.4
GE 4000	27.8	44.5	47.5	50.5	53.9	55.6	57.4	58.4	58.4	59.0	59.2	59.2	59.2	59.2	59.2	59.2
GE 3500	28.6	46.2	49.6	52.3	56.1	57.7	59.6	60.7	60.7	61.5	61.7	61.7	61.7	61.7	61.7	61.7
GE 3000	29.9	47.9	51.4	54.7	58.3	60.0	61.8	62.9	62.9	63.7	64.0	64.0	64.0	64.0	64.0	64.0
GE 2500	32.0	51.4	55.2	58.9	63.3	64.9	67.0	68.3	68.3	69.3	69.5	69.5	69.5	69.5	69.5	69.5
GE 2000	33.2	53.1	57.1	60.9	65.3	67.0	69.4	70.8	70.8	71.8	72.1	72.1	72.1	72.1	72.1	72.1
GE 1800	33.3	53.4	57.4	61.1	65.6	67.4	70.0	71.4	71.4	72.6	72.8	72.8	72.8	72.8	72.8	72.8
GE 1500	34.9	56.3	61.4	65.4	70.4	72.2	75.3	76.7	77.1	78.3	78.7	78.7	78.7	78.7	78.7	78.7
GE 1200	35.0	57.1	62.4	66.7	72.3	74.3	77.6	79.3	79.7	81.0	81.4	81.4	81.4	81.4	81.4	81.4
GE 1000	35.2	58.9	64.4	69.1	75.1	77.5	81.0	83.0	83.5	85.2	85.7	85.7	86.0	86.0	86.0	86.3
GE 900	35.3	59.1	65.1	70.3	76.1	78.8	82.4	84.6	85.2	86.8	87.4	87.5	87.8	87.8	88.1	88.1
GE 800	35.5	59.8	66.2	71.5	78.0	80.8	85.2	87.8	88.6	90.6	91.2	91.3	91.8	91.8	92.1	92.1
GE 700	35.5	59.8	66.2	71.5	78.2	81.0	85.5	88.1	88.9	91.0	91.8	92.1	92.6	92.6	92.9	92.9
GE 600	35.5	59.8	66.2	71.5	78.4	81.3	85.7	88.8	89.6	91.8	92.5	92.8	93.3	93.3	93.6	93.6
GE 500	35.5	60.1	66.8	72.2	79.3	82.3	87.3	90.7	91.5	94.2	95.2	95.5	96.0	96.0	96.3	96.5
GE 400	35.5	60.1	66.8	72.2	79.4	82.6	87.6	91.0	91.9	94.7	95.8	96.1	96.6	96.8	97.3	97.4
GE 300	35.5	60.1	66.8	72.2	79.4	82.6	87.8	91.4	92.2	95.3	96.3	96.7	97.3	98.0	98.5	98.8
GE 200	35.5	60.1	66.8	72.2	79.4	82.6	87.8	91.4	92.2	95.5	96.8	97.2	97.9	98.6	99.2	99.5
GE 100	35.5	60.1	66.8	72.2	79.4	82.6	87.8	91.4	92.2	95.5	96.8	97.2	97.9	98.6	99.2	99.8
GE 0	35.5	60.1	66.8	72.2	79.4	82.6	87.8	91.4	92.2	95.5	96.8	97.2	97.9	98.6	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: FEB HOURS(IST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	26.0	36.5	38.6	39.5	40.8	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 20000	28.5	40.2	42.4	43.5	44.8	44.9	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 18000	28.6	40.3	42.5	43.5	45.0	45.1	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 16000	28.6	40.3	42.5	43.5	45.0	45.1	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 14000	28.7	40.4	42.6	43.7	45.1	45.2	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 12000	29.2	41.2	43.5	44.5	45.9	46.1	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 10000	31.1	45.1	47.5	48.5	50.1	50.2	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 9000	31.2	45.5	47.9	49.3	50.6	50.8	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 8000	31.9	46.8	49.2	50.3	51.9	52.1	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 7000	32.6	48.1	50.5	51.5	53.2	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 6000	32.7	48.8	51.2	52.5	54.2	54.3	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 5000	33.1	50.1	52.5	53.4	55.5	55.7	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 4500	33.2	50.3	53.1	54.5	56.3	56.5	56.8	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 4000	33.8	51.6	54.4	55.3	57.7	58.0	58.2	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 3500	35.0	53.7	56.7	58.2	60.2	60.4	60.7	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 3000	36.6	56.1	59.0	60.9	62.9	63.1	63.4	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 2500	39.8	62.2	65.7	68.3	70.2	70.6	71.1	71.6	71.6	71.8	71.8	71.8	72.0	72.0	72.0	72.0
GE 2000	42.3	66.5	70.3	73.3	75.9	76.2	76.9	77.4	77.4	77.7	77.9	78.0	78.0	78.0	78.0	78.0
GE 1800	42.6	67.0	70.9	73.9	76.7	77.0	77.9	78.3	78.3	78.7	78.8	78.8	78.9	78.9	78.9	78.9
GE 1500	43.6	69.5	74.2	77.5	80.7	81.4	82.6	83.2	83.2	83.5	83.6	83.7	83.7	83.7	83.7	83.7
GE 1200	44.1	71.5	76.2	79.9	83.2	84.1	85.4	86.1	86.1	86.6	86.7	86.7	86.8	86.8	86.8	86.8
GE 1000	44.3	72.4	77.4	81.5	84.9	85.9	87.2	88.0	88.0	88.7	88.9	88.9	89.4	89.4	89.4	89.4
GE 900	44.3	72.9	78.4	83.3	86.8	87.8	89.0	89.9	89.9	90.6	90.9	90.9	91.4	91.5	91.5	91.5
GE 800	44.3	72.9	78.6	83.5	87.4	88.6	90.1	91.0	91.0	91.8	92.3	92.3	92.9	93.1	93.1	93.1
GE 700	44.3	73.0	78.7	83.5	88.2	89.4	91.0	92.3	92.3	93.1	93.6	93.6	94.2	94.3	94.3	94.3
GE 600	44.3	73.0	78.8	83.5	88.5	90.0	91.8	93.6	93.6	94.5	95.1	95.1	95.6	95.8	95.8	95.8
GE 500	44.3	73.1	79.2	84.1	89.0	90.7	92.7	94.6	94.7	95.6	96.3	96.5	97.2	97.3	97.3	97.6
GE 400	44.3	73.1	79.3	84.1	89.2	91.0	93.2	95.3	95.3	96.7	97.5	97.6	98.5	98.7	98.7	99.1
GE 300	44.3	73.1	79.3	84.1	89.2	91.0	93.2	95.3	95.5	96.7	97.5	97.6	98.9	99.2	99.2	99.5
GE 200	44.3	73.1	79.3	84.1	89.2	91.0	93.2	95.3	95.5	96.8	97.8	97.9	99.3	99.5	99.5	99.9
GE 100	44.3	73.1	79.3	84.1	89.2	91.0	93.2	95.3	95.5	96.8	97.8	97.9	99.3	99.5	99.5	100.0
GE 0	44.3	73.1	79.3	84.1	89.2	91.0	93.2	95.3	95.5	96.8	97.8	97.9	99.3	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745707 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: FEB HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	29.6	38.8	39.8	39.9	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
GE 20000	33.7	44.6	46.2	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 18000	33.7	44.6	46.2	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 16000	33.7	44.6	46.2	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 14000	34.6	45.8	47.3	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 12000	35.2	46.6	48.2	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 10000	36.0	49.0	50.5	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 9000	36.3	49.7	51.2	51.5	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 8000	38.0	52.1	53.6	53.9	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 7000	39.1	53.5	55.0	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 6000	39.3	54.3	55.8	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 5000	40.3	55.7	57.4	57.7	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 4500	41.1	57.0	58.7	59.3	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 4000	42.4	59.1	60.8	61.1	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 3500	44.5	61.8	63.5	63.9	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 3000	45.6	63.8	65.5	65.9	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 2500	48.6	69.5	71.4	72.3	73.3	73.3	73.9	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 2000	51.1	74.1	76.6	77.9	79.2	79.3	80.2	80.3	80.3	80.6	80.7	80.7	80.9	80.9	80.9	80.9
GE 1800	51.2	74.9	77.4	78.7	80.0	80.1	81.0	81.2	81.3	81.5	81.6	81.6	81.9	81.9	81.9	81.9
GE 1600	52.1	77.7	80.8	82.2	83.7	83.9	85.3	85.6	85.7	86.0	86.1	86.1	86.3	86.3	86.3	86.3
GE 1200	52.4	78.7	82.1	83.5	86.2	86.5	87.9	88.5	88.6	88.8	88.9	88.9	89.2	89.2	89.2	89.2
GE 1000	52.4	78.8	82.4	84.3	87.0	87.4	88.9	89.5	89.8	90.0	90.3	90.7	90.9	90.9	90.9	90.9
GE 900	52.4	78.8	82.6	84.2	87.8	88.1	89.6	90.7	90.9	91.3	91.8	92.1	92.5	92.5	92.5	92.5
GE 800	52.4	78.9	82.9	84.7	88.3	89.0	90.7	91.8	92.0	92.6	93.5	93.9	94.2	94.2	94.2	94.2
GE 700	52.4	78.9	82.9	84.9	88.8	89.8	91.4	92.5	92.7	93.3	94.5	94.8	95.2	95.2	95.2	95.2
GE 600	52.4	78.9	82.9	84.9	88.8	90.0	91.8	92.8	93.1	93.8	95.1	95.4	96.0	96.0	96.1	96.1
GE 500	52.4	78.9	82.9	84.9	89.0	90.3	92.1	93.3	93.5	94.3	95.8	96.1	96.8	96.9	97.1	97.1
GE 400	52.4	78.9	82.9	84.9	89.4	90.7	92.6	94.0	94.2	95.1	96.7	97.1	98.0	98.1	98.4	98.4
GE 300	52.4	78.9	82.9	84.9	89.4	90.7	92.7	94.3	94.6	95.4	97.3	97.6	98.7	98.8	99.2	99.2
GE 200	52.4	78.9	82.9	84.9	89.4	90.7	92.7	94.3	94.6	95.4	97.4	97.9	99.2	99.4	99.9	99.9
GE 100	52.4	78.9	82.9	84.9	89.4	90.7	92.7	94.3	94.6	95.4	97.4	97.9	99.2	99.4	99.9	99.9
GE 0	52.4	78.9	82.9	84.9	89.4	90.7	92.7	94.3	94.6	95.4	97.4	97.9	99.2	99.4	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: FEB HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	32.3	38.3	39.3	39.9	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
GE 20000	37.2	45.0	46.1	46.5	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 18000	37.5	45.2	46.3	46.9	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
GE 16000	37.5	45.2	46.3	46.9	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
GE 14000	38.0	45.9	47.0	47.5	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 12000	39.0	46.9	47.9	48.5	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 10000	40.9	50.1	51.1	51.8	52.3	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 9000	40.9	50.6	51.7	52.4	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 8000	42.4	53.1	54.2	54.9	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 7000	42.8	53.7	54.8	55.5	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 6000	43.2	54.5	55.6	56.3	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 5000	44.8	57.1	58.2	58.9	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 4500	46.3	59.5	60.5	61.2	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 4000	47.5	61.1	62.2	62.9	63.4	63.6	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 3500	48.6	63.3	64.3	65.1	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 3000	51.2	66.7	67.8	68.3	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 2500	53.2	70.0	71.1	72.1	73.4	73.6	73.7	73.7	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9
GE 2000	56.3	74.7	76.3	77.7	79.6	79.9	80.0	80.0	80.2	80.2	80.3	80.3	80.4	80.4	80.4	80.4
GE 1800	57.1	76.0	77.6	79.0	80.9	81.2	81.3	81.3	81.5	81.5	81.6	81.6	81.7	81.7	81.7	81.7
GE 1500	58.8	80.1	82.2	84.1	86.3	86.7	87.4	87.5	87.8	87.9	88.0	88.0	88.1	88.1	88.1	88.1
GE 1200	58.9	80.7	83.0	85.2	87.8	88.2	89.3	89.4	89.6	90.0	90.1	90.1	90.2	90.2	90.2	90.2
GE 1000	58.9	80.8	83.3	85.7	88.5	89.2	90.3	90.6	90.8	91.3	91.4	91.4	91.6	91.6	91.6	91.6
GE 900	58.9	81.3	83.7	86.3	89.0	89.8	90.9	91.2	91.4	91.9	92.0	92.0	92.3	92.3	92.3	92.3
GE 800	58.9	81.4	84.0	86.5	89.5	90.5	91.6	91.9	92.1	93.6	93.8	93.8	94.1	94.1	94.1	94.1
GE 700	58.9	81.4	84.0	86.7	89.9	90.9	92.2	92.5	92.7	94.2	94.3	94.3	94.7	94.7	94.7	94.7
GE 600	58.9	81.4	84.0	86.7	89.9	91.2	92.5	92.7	92.9	94.5	94.7	94.8	95.2	95.3	95.3	95.3
GE 500	58.9	81.6	84.2	87.3	90.2	91.5	92.9	93.2	93.4	95.3	95.9	96.0	96.3	96.6	96.7	96.7
GE 400	58.9	81.6	84.2	87.3	90.2	91.6	93.2	93.5	93.8	95.8	96.3	96.5	96.8	97.3	97.4	97.4
GE 300	58.9	81.6	84.2	87.3	90.5	91.9	93.4	93.8	94.0	96.5	97.3	97.4	97.9	98.4	98.6	98.7
GE 200	58.9	81.6	84.2	87.3	90.5	91.9	93.4	93.9	94.1	96.6	97.5	97.6	98.2	98.8	99.2	99.4
GE 100	58.9	81.6	84.2	87.3	90.5	91.9	93.4	93.9	94.1	96.6	97.5	97.6	98.2	98.9	99.3	99.8
GE 0	58.9	81.6	84.2	87.3	90.5	91.9	93.4	93.9	94.1	96.6	97.5	97.6	98.2	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: FEB HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	29.1	37.2	37.8	38.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
GE 20000	34.2	42.8	43.5	44.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 18000	34.5	43.1	43.8	44.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 16000	34.5	43.1	43.8	44.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 14000	34.7	43.5	44.3	45.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 12000	35.5	44.4	45.2	46.3	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 10000	38.5	49.0	49.8	51.3	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 9000	39.1	49.6	50.4	51.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 8000	40.0	51.0	51.8	53.3	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 7000	40.9	52.1	52.9	54.1	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 6000	41.5	53.0	53.8	55.3	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 5000	44.8	56.8	57.6	58.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 4500	47.6	60.7	61.5	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 4000	49.4	61.8	62.9	64.4	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 3500	49.8	64.2	65.3	66.3	67.8	67.8	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 3000	52.1	67.6	68.9	70.7	71.8	71.8	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 2500	54.1	71.0	72.8	74.7	76.2	76.2	76.2	76.2	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4
GE 2000	55.4	74.6	76.6	78.5	80.7	80.8	80.9	80.9	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2
GE 1800	56.1	75.6	77.7	79.9	82.0	82.1	82.2	82.2	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4
GE 1500	58.3	78.9	81.5	83.9	86.2	87.0	87.2	87.4	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6
GE 1200	59.4	79.2	81.7	84.3	86.9	87.9	88.0	88.2	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5
GE 1000	58.7	80.1	82.9	85.5	88.7	90.0	90.2	90.6	90.7	90.7	90.8	90.8	90.9	90.9	90.9	90.9
GE 900	58.7	80.6	83.5	86.3	89.5	90.8	91.2	91.5	91.6	91.8	91.9	91.9	92.0	92.0	92.0	92.0
GE 800	58.7	80.7	83.7	86.7	90.3	91.9	92.2	92.7	92.8	93.4	93.6	93.6	93.8	93.8	93.8	93.8
GE 700	58.8	81.2	84.3	87.3	91.2	92.7	93.1	93.5	93.6	94.2	94.7	94.7	94.8	94.8	94.8	94.8
GE 600	58.8	81.3	84.5	87.4	91.3	92.9	93.3	93.8	93.9	94.5	94.9	95.3	95.4	95.4	95.4	95.4
GE 500	58.8	81.3	84.5	87.3	91.8	93.4	93.8	94.7	94.8	95.6	96.2	96.6	96.7	96.8	96.8	96.9
GE 400	58.8	81.3	84.5	87.3	91.8	93.4	93.9	95.1	95.2	96.1	96.7	97.1	97.3	97.4	97.4	97.5
GE 300	58.8	81.3	84.5	87.3	92.1	93.8	94.2	95.5	95.6	97.2	97.8	98.1	98.5	98.6	98.6	98.7
GE 200	58.8	81.3	84.5	87.3	92.1	93.8	94.2	95.6	95.8	97.3	97.9	98.2	98.5	98.7	98.7	98.8
GE 100	58.8	81.3	84.5	87.3	92.1	93.8	94.2	95.6	95.8	97.3	97.9	98.2	98.6	98.7	98.7	99.3
GE 0	58.8	81.3	84.5	87.3	92.1	93.8	94.2	95.6	95.8	97.3	97.9	98.2	98.6	98.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 849

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: FEB HOURS(EST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	27.0	34.7	36.0	37.3	38.5	39.2	39.6	39.9	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.1
GE 20000	30.3	38.9	40.4	41.5	43.0	43.7	44.1	44.5	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.7
GE 18000	30.4	39.0	40.5	41.5	43.1	43.8	44.2	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.8
GE 16000	30.4	39.0	40.5	41.5	43.1	43.8	44.2	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.8
GE 14000	30.8	39.5	40.9	42.1	43.6	44.3	44.7	45.1	45.1	45.2	45.3	45.3	45.3	45.3	45.3	45.3
GE 12000	31.3	40.3	41.8	42.9	44.5	45.2	45.6	46.0	46.0	46.1	46.2	46.2	46.2	46.2	46.2	46.3
GE 10000	32.9	42.9	44.6	45.8	47.4	48.1	48.6	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.2
GE 9000	33.1	43.4	45.1	46.3	47.9	48.7	49.1	49.5	49.5	49.6	49.7	49.7	49.7	49.7	49.7	49.8
GE 8000	34.5	45.3	47.0	48.3	49.9	50.7	51.1	51.5	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.8
GE 7000	35.2	46.4	48.2	49.4	51.1	51.9	52.3	52.7	52.7	52.8	52.9	52.9	52.9	52.9	52.9	53.0
GE 6000	35.6	47.3	49.1	50.4	52.1	52.9	53.3	53.7	53.7	53.8	53.9	53.9	53.9	53.9	53.9	54.0
GE 5000	37.3	49.9	51.8	53.2	54.9	55.7	56.2	56.6	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.9
GE 4500	38.8	52.1	54.1	55.5	57.4	58.2	58.7	59.1	59.1	59.2	59.3	59.3	59.3	59.3	59.3	59.4
GE 4000	39.8	53.8	55.9	57.5	59.4	60.2	60.7	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.4
GE 3500	41.0	55.8	58.0	59.5	61.6	62.5	63.0	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.8
GE 3000	42.9	58.6	60.8	62.5	64.7	65.7	66.2	66.6	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.9
GE 2500	44.9	62.3	64.9	67.3	69.5	70.5	71.2	71.7	71.8	72.0	72.1	72.1	72.1	72.1	72.1	72.2
GE 2000	47.0	65.9	68.8	71.2	74.1	75.1	76.0	76.5	76.6	76.8	77.0	77.0	77.0	77.0	77.0	77.1
GE 1800	47.4	66.7	69.6	72.1	75.0	76.1	77.0	77.5	77.6	77.9	78.0	78.0	78.0	78.0	78.0	78.1
GE 1500	48.7	69.8	73.3	76.1	79.5	80.8	82.0	82.6	82.8	83.1	83.3	83.3	83.3	83.3	83.3	83.4
GE 1200	49.1	71.3	75.0	77.9	81.7	83.1	84.4	85.2	85.4	85.8	85.9	85.9	85.9	85.9	85.9	86.0
GE 1000	49.4	72.3	76.2	79.4	83.6	85.2	86.7	87.7	88.0	88.5	88.7	88.8	88.9	88.9	88.9	89.0
GE 900	49.4	72.7	76.8	80.2	84.6	86.3	87.9	89.0	89.3	89.8	90.1	90.2	90.4	90.4	90.5	90.6
GE 800	49.5	73.0	77.3	80.8	85.5	87.4	89.3	90.5	90.8	91.7	92.1	92.2	92.4	92.4	92.6	92.7
GE 700	49.5	73.1	77.5	81.2	86.1	88.0	90.1	91.4	91.7	92.6	93.1	93.2	93.5	93.5	93.6	93.7
GE 600	49.6	73.2	77.6	81.3	86.4	88.5	90.5	92.0	92.3	93.4	93.9	94.1	94.4	94.4	94.6	94.6
GE 500	49.6	73.4	77.8	81.5	86.8	89.0	91.2	92.9	93.3	94.6	95.3	95.5	95.9	96.0	96.1	96.3
GE 400	49.6	73.4	77.8	81.5	86.9	89.1	91.5	93.3	93.7	95.1	95.9	96.1	96.6	96.7	96.9	97.1
GE 300	49.6	73.4	77.8	81.5	87.0	89.3	91.7	93.7	94.1	95.8	96.8	97.0	97.6	97.9	98.1	98.3
GE 200	49.6	73.4	77.8	81.6	87.0	89.3	91.7	93.8	94.2	95.9	97.0	97.3	98.1	98.4	98.6	98.9
GE 100	49.6	73.4	77.8	81.5	87.0	89.3	91.7	93.8	94.2	95.9	97.1	97.3	98.2	98.5	98.8	99.4
GE 0	49.6	73.4	77.8	81.5	87.0	89.3	91.7	93.8	94.2	95.9	97.1	97.3	98.2	98.5	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 6792

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAR HOURS(LOCAL): 0300-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	35.7	38.0	38.3	38.8	39.5	39.9	40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5
GE 20000	39.0	41.5	41.8	42.4	43.0	43.4	44.0	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 18000	39.2	41.7	42.0	42.5	43.2	43.7	44.2	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 16000	39.2	41.7	42.0	42.5	43.2	43.7	44.2	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 14000	39.5	42.0	42.4	42.9	43.5	44.0	44.5	44.5	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 12000	40.4	43.0	43.3	43.9	44.5	44.9	45.5	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 10000	41.4	44.3	44.6	45.2	45.8	46.2	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 9000	41.4	44.3	44.6	45.2	45.8	46.2	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 8000	44.2	47.7	48.1	48.5	49.4	49.8	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 7000	46.0	49.9	50.2	50.3	51.5	52.0	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 6000	47.5	51.4	51.7	52.3	53.0	53.5	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 5000	51.1	55.6	56.0	56.5	57.3	57.8	58.6	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 4500	54.9	60.2	60.8	61.5	62.4	62.9	63.7	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 4000	55.7	62.3	62.8	63.9	65.1	65.6	66.3	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 3500	58.1	65.1	65.7	66.9	68.4	68.9	69.7	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 3000	60.1	67.7	68.6	69.8	71.3	71.9	72.7	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 2500	63.5	71.8	73.2	74.5	76.2	77.0	77.7	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 2000	66.1	75.5	77.3	78.7	80.6	81.5	82.3	82.4	82.4	82.5	82.6	82.6	82.6	82.6	82.6	82.6
GE 1800	67.0	76.5	78.3	79.9	81.7	82.6	83.3	83.4	83.4	83.5	83.7	83.7	83.7	83.7	83.7	83.7
GE 1500	68.3	79.8	81.7	83.2	85.6	86.8	87.6	87.7	87.7	87.8	88.0	88.0	88.0	88.0	88.0	88.0
GE 1200	68.5	80.4	82.4	84.1	86.5	87.6	88.7	88.8	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0
GE 1000	68.8	81.6	83.5	85.5	88.1	89.2	90.4	90.5	90.5	90.8	91.0	91.0	91.0	91.0	91.0	91.0
GE 900	68.8	82.5	84.7	86.9	89.5	90.6	91.9	92.0	92.0	92.3	92.5	92.5	92.5	92.5	92.5	92.5
GE 800	68.8	83.0	85.8	88.3	91.5	92.7	94.1	94.2	94.2	94.4	94.6	94.6	94.6	94.6	94.6	94.6
GE 700	68.8	83.2	86.0	88.7	92.8	94.0	95.4	95.6	95.6	95.8	96.0	96.0	96.0	96.0	96.0	96.0
GE 600	69.8	83.2	86.1	88.8	93.1	94.3	96.1	96.3	96.3	96.7	96.9	96.9	96.9	96.9	96.9	96.9
GE 500	68.8	83.2	86.3	89.3	94.2	95.6	97.4	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4
GE 400	68.8	83.3	86.5	89.9	94.4	95.9	98.0	98.5	98.5	98.8	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	68.8	83.3	86.5	89.9	94.4	95.9	98.0	98.5	98.5	99.1	99.8	99.8	99.8	99.8	100.0	100.0
GE 200	68.8	83.3	86.5	89.9	94.4	95.9	98.0	98.5	98.5	99.1	99.8	99.8	99.8	99.8	100.0	100.0
GE 100	68.8	83.3	86.5	89.9	94.4	95.9	98.0	98.5	98.5	99.1	99.8	99.8	99.8	99.8	100.0	100.0
GE 0	68.8	83.3	86.5	89.9	94.4	95.9	98.0	98.5	98.5	99.1	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAR HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	31.7	35.4	37.2	37.4	37.8	38.1	38.3	38.6	38.6	38.7	39.0	39.0	39.4	39.4	39.4	39.5
GE 20000	35.5	39.4	41.2	41.4	41.8	42.0	42.3	42.6	42.6	42.7	43.0	43.0	43.3	43.3	43.3	43.4
GE 18000	35.5	39.4	41.2	41.4	41.8	42.0	42.3	42.6	42.6	42.7	43.0	43.0	43.3	43.3	43.3	43.4
GE 16000	35.5	39.4	41.2	41.4	41.8	42.0	42.3	42.6	42.6	42.7	43.0	43.0	43.3	43.3	43.3	43.4
GE 14000	35.8	39.7	41.5	41.7	42.2	42.6	42.9	42.9	43.0	43.3	43.3	43.3	43.7	43.7	43.7	43.8
GE 12000	36.5	40.3	42.2	42.4	42.8	43.0	43.2	43.5	43.5	43.7	44.0	44.0	44.3	44.3	44.3	44.4
GE 10000	38.1	42.0	43.9	44.1	44.5	44.7	44.9	45.3	45.3	45.4	45.7	45.7	46.0	46.0	46.0	46.1
GE 9000	38.5	42.5	44.3	44.5	44.9	45.2	45.4	45.7	45.7	45.8	46.1	46.1	46.5	46.5	46.5	46.6
GE 8000	40.1	45.2	47.1	47.4	48.0	48.4	48.6	48.9	48.9	49.0	49.4	49.4	49.8	49.8	49.9	50.0
GE 7000	41.7	46.9	49.0	49.4	49.9	50.3	50.5	50.9	50.9	51.0	51.3	51.3	51.7	51.7	51.8	51.9
GE 6000	42.5	47.7	49.9	50.2	50.8	51.2	51.4	51.7	51.7	51.8	52.2	52.2	52.6	52.6	52.7	52.8
GE 5000	45.4	51.3	53.4	53.3	54.4	54.9	55.4	55.7	55.7	55.8	56.1	56.1	56.6	56.6	56.7	56.8
GE 4500	48.8	55.2	57.5	58.0	58.7	59.2	59.7	60.0	60.0	60.1	60.4	60.4	60.9	60.9	61.0	61.1
GE 4000	50.0	56.7	59.0	59.5	60.2	60.8	61.2	61.5	61.5	61.6	61.9	61.9	62.4	62.4	62.5	62.6
GE 3500	53.0	60.1	62.7	63.3	64.1	64.7	65.2	65.5	65.5	65.6	65.9	65.9	66.3	66.3	66.5	66.6
GE 3000	54.7	62.4	65.1	65.3	66.6	67.2	67.6	68.0	68.0	68.1	68.4	68.4	68.8	68.8	68.9	69.0
GE 2500	59.5	68.0	71.0	71.7	72.7	73.4	73.9	74.2	74.2	74.3	74.6	74.6	75.1	75.1	75.2	75.3
GE 2000	62.0	71.1	74.2	75.1	76.2	77.0	77.4	77.7	77.8	78.0	78.3	78.3	78.7	78.7	78.8	78.9
GE 1800	62.8	72.4	75.7	76.7	78.0	78.7	79.1	79.5	79.6	79.7	80.0	80.0	80.4	80.4	80.5	80.6
GE 1500	64.7	75.8	79.6	80.9	82.7	83.5	84.0	84.3	84.5	84.6	84.9	84.9	85.4	85.4	85.5	85.6
GE 1200	65.3	78.0	81.9	83.2	85.1	85.9	86.3	86.7	86.9	87.0	87.3	87.3	87.7	87.7	87.8	88.0
GE 1000	65.8	79.8	83.8	85.1	87.2	88.1	88.6	89.1	89.6	89.7	90.0	90.0	90.4	90.4	90.5	90.6
GE 900	65.9	80.3	84.7	86.3	88.6	89.5	90.0	90.5	91.0	91.1	91.4	91.4	91.8	91.8	91.9	92.0
GE 800	66.0	80.9	85.4	87.0	89.4	90.9	91.4	92.0	92.5	92.7	93.0	93.0	93.4	93.4	93.5	93.7
GE 700	66.0	81.3	85.8	87.4	90.1	91.7	92.3	93.1	93.5	93.8	94.1	94.1	94.5	94.5	94.6	94.7
GE 600	66.0	81.7	86.3	88.1	90.9	92.6	93.3	94.2	94.7	95.2	95.5	95.5	95.9	95.9	96.0	96.1
GE 500	66.2	82.3	87.2	89.1	92.0	93.9	94.6	95.6	96.2	97.0	97.3	97.3	97.7	97.7	97.8	98.0
GE 400	66.2	82.3	87.2	89.1	92.0	93.9	94.8	95.9	96.6	97.4	97.8	97.8	98.4	98.4	98.5	98.6
GE 300	66.2	82.3	87.2	89.1	92.0	93.9	94.9	96.1	96.8	97.7	98.5	98.5	99.1	99.1	99.2	99.4
GE 200	66.2	82.3	87.2	89.1	92.0	93.9	94.9	96.1	96.8	97.7	98.7	98.7	99.5	99.5	99.6	99.8
GE 100	66.2	82.3	87.2	89.1	92.0	93.9	94.9	96.1	96.8	97.7	98.7	98.7	99.5	99.5	99.6	100.0
GE 01	66.2	82.3	87.2	89.1	92.0	93.9	94.9	96.1	96.8	97.7	98.7	98.7	99.5	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAR HOURS(LST): 3600-3900

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	25.5	32.0	34.6	36.5	37.2	37.7	38.3	38.6	38.8	38.9	39.0	39.1	39.1	39.1	39.2	39.4
GE 20000	27.5	34.7	37.3	39.4	40.1	40.6	41.3	41.6	41.8	41.9	42.0	42.2	42.2	42.2	42.3	42.4
GE 18000	27.6	34.8	37.4	39.5	40.2	40.8	41.4	41.7	41.9	42.0	42.2	42.3	42.3	42.3	42.4	42.5
GE 16000	27.6	34.8	37.4	39.5	40.2	40.8	41.4	41.7	41.9	42.0	42.2	42.3	42.3	42.3	42.4	42.5
GE 14000	27.6	34.9	37.6	39.5	40.5	41.1	41.7	42.0	42.3	42.4	42.5	42.6	42.6	42.6	42.7	42.8
GE 12000	28.2	35.9	38.6	40.9	41.6	42.2	42.8	43.1	43.4	43.5	43.7	43.8	43.8	43.8	43.9	44.0
GE 10000	29.8	37.5	40.2	42.7	43.4	44.0	44.6	44.9	45.3	45.4	45.5	45.6	45.6	45.6	45.7	45.8
GE 9000	30.1	37.8	40.5	43.2	43.8	44.3	44.9	45.3	45.6	45.7	45.8	45.9	45.9	45.9	46.0	46.1
GE 8000	32.7	41.5	44.4	46.9	48.0	48.5	49.1	49.5	49.8	49.9	50.0	50.1	50.1	50.1	50.2	50.3
GE 7000	33.5	42.6	46.0	48.5	49.6	50.1	50.8	51.1	51.4	51.5	51.6	51.7	51.7	51.7	51.8	51.9
GE 6000	34.4	43.4	47.0	49.5	50.8	51.3	52.0	52.4	52.7	52.8	52.9	53.0	53.0	53.0	53.1	53.2
GE 5000	36.5	46.1	49.9	52.5	53.7	54.6	55.4	55.7	56.0	56.1	56.2	56.3	56.3	56.3	56.5	56.6
GE 4500	38.5	49.1	53.1	55.3	57.0	58.0	58.7	59.0	59.4	59.5	59.6	59.7	59.7	59.7	59.8	59.9
GE 4000	39.8	51.2	55.3	58.1	59.2	60.2	61.0	61.3	61.6	61.8	61.9	62.0	62.0	62.0	62.2	62.3
GE 3500	42.4	54.0	58.4	61.2	62.5	63.4	64.2	64.5	64.8	65.1	65.2	65.3	65.3	65.3	65.4	65.5
GE 3000	44.6	57.6	62.4	65.5	66.9	67.8	68.7	69.0	69.5	69.7	69.8	69.9	69.9	69.9	70.0	70.1
GE 2500	46.9	61.3	66.3	69.9	71.4	72.4	73.3	73.7	74.1	74.3	74.4	74.5	74.5	74.5	74.6	74.7
GE 2000	48.4	64.2	69.5	73.2	74.8	75.8	76.8	77.1	77.5	77.7	77.8	78.0	78.0	78.0	78.1	78.2
GE 1800	49.7	65.3	70.8	74.4	76.2	77.2	78.2	78.5	78.9	79.1	79.2	79.4	79.4	79.4	79.5	79.6
GE 1500	49.9	68.0	74.1	78.3	80.6	81.6	82.6	82.9	83.3	83.5	83.8	83.9	83.9	83.9	84.0	84.1
GE 1200	50.5	69.5	75.9	80.2	83.1	84.3	85.3	85.6	86.0	86.2	86.5	86.6	86.6	86.6	86.7	86.8
GE 1000	50.9	70.5	77.3	81.9	84.9	86.1	87.2	87.6	88.1	88.3	88.5	88.6	88.6	88.6	88.7	88.8
GE 900	51.2	71.9	78.7	83.5	87.0	88.2	89.4	89.9	90.3	90.5	90.8	90.9	90.9	90.9	91.0	91.1
GE 800	51.4	72.8	79.8	84.7	88.6	89.9	91.1	91.8	92.4	92.7	92.9	93.0	93.0	93.0	93.1	93.2
GE 700	51.6	73.5	80.6	85.9	89.9	91.2	92.4	93.2	93.8	94.1	94.4	94.5	94.5	94.5	94.6	94.7
GE 600	51.6	73.7	80.8	86.1	90.1	91.7	93.0	94.0	94.5	95.3	95.6	95.7	95.7	95.7	95.8	95.9
GE 500	51.6	73.9	81.4	87.3	91.0	93.1	94.5	95.6	96.1	97.2	97.6	97.7	97.7	97.7	98.0	98.1
GE 400	51.6	73.9	81.4	87.3	91.0	93.3	94.7	96.0	96.6	97.7	98.5	98.6	98.7	98.7	98.9	99.0
GE 300	51.6	73.9	81.4	87.3	91.0	93.3	94.7	96.0	96.6	98.0	98.8	98.9	99.2	99.2	99.5	99.6
GE 200	51.6	73.9	81.4	87.3	91.0	93.3	94.7	96.0	96.6	98.0	98.8	98.9	99.2	99.2	99.5	99.6
GE 100	51.6	73.9	81.4	87.3	91.0	93.3	94.7	96.0	96.6	98.0	98.9	99.0	99.4	99.4	99.6	99.7
GE	0	51.6	73.9	81.4	87.3	91.0	93.3	94.7	96.0	96.6	98.0	98.9	99.0	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAR HOURS(IST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	26.1	33.9	35.4	35.9	36.5	36.7	36.7	36.9	36.9	36.9	37.1	37.1	37.1	37.1	37.1	37.1
GE 20000	31.3	39.7	41.2	41.3	42.4	42.7	42.7	42.9	42.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1
GE 18000	31.3	39.7	41.2	41.3	42.4	42.7	42.7	42.9	42.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1
GE 16000	31.3	39.7	41.2	41.3	42.4	42.7	42.7	42.9	42.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1
GE 14000	31.8	40.5	42.0	42.7	43.2	43.5	43.5	43.8	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0
GE 12000	32.8	41.8	43.3	44.0	44.5	44.8	44.8	45.1	45.1	45.1	45.3	45.3	45.3	45.3	45.3	45.3
GE 10000	34.3	44.6	46.1	46.9	47.4	47.7	47.7	48.0	48.0	48.0	48.2	48.2	48.2	48.2	48.2	48.2
GE 9000	34.6	44.9	46.5	47.2	47.7	48.1	48.1	48.3	48.3	48.3	48.5	48.5	48.5	48.5	48.5	48.5
GE 8000	36.1	47.1	49.5	50.3	51.0	51.3	51.3	51.5	51.5	51.5	51.7	51.7	51.7	51.7	51.7	51.7
GE 7000	36.2	47.4	50.1	51.4	52.0	52.4	52.4	52.6	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.8
GE 6000	36.8	48.3	51.0	52.4	53.0	53.3	53.3	53.5	53.5	53.5	53.8	53.8	53.8	53.8	53.8	53.8
GE 5000	38.5	51.6	54.5	55.9	56.6	56.9	56.9	57.1	57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3
GE 4500	39.1	52.7	55.7	57.2	58.0	58.3	58.4	58.6	58.6	58.6	58.8	58.8	58.8	58.8	58.8	58.8
GE 4000	41.1	55.1	58.4	60.1	61.0	61.3	61.4	61.6	61.6	61.6	61.8	61.8	61.8	61.8	61.8	61.8
GE 3500	42.5	57.2	61.0	62.7	63.8	64.1	64.2	64.4	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6
GE 3000	44.5	60.4	64.2	65.9	67.1	67.5	67.8	68.1	68.1	68.2	68.4	68.4	68.4	68.4	68.4	68.4
GE 2500	47.0	64.3	68.4	70.9	72.5	73.2	73.7	73.9	73.9	74.0	74.2	74.2	74.2	74.2	74.2	74.2
GE 2000	49.2	67.3	71.6	74.1	75.8	76.6	77.1	77.3	77.3	77.4	77.6	77.6	77.6	77.6	77.6	77.6
GE 1800	49.5	67.7	72.2	74.5	76.6	77.3	78.0	78.2	78.2	78.3	78.5	78.5	78.5	78.5	78.5	78.5
GE 1500	51.3	70.4	75.3	78.3	81.1	82.0	83.0	83.3	83.4	83.7	83.9	83.9	84.0	84.0	84.0	84.0
GE 1200	51.8	72.2	77.3	80.2	83.9	84.8	85.9	86.5	86.6	86.8	87.0	87.0	87.1	87.1	87.1	87.1
GE 1000	52.0	73.0	78.5	81.7	85.5	86.6	87.8	88.5	88.6	88.9	89.1	89.1	89.2	89.2	89.2	89.2
GE 900	52.2	73.3	79.1	83.2	87.2	88.4	89.8	90.4	90.5	90.9	91.1	91.1	91.2	91.2	91.2	91.2
GE 800	52.2	74.5	80.5	84.9	89.5	90.8	92.4	93.3	93.4	94.0	94.2	94.2	94.3	94.3	94.3	94.3
GE 700	52.2	74.6	80.8	85.5	90.3	91.7	93.3	94.3	94.4	94.9	95.4	95.4	95.5	95.5	95.5	95.5
GE 600	52.2	74.8	81.1	86.3	90.9	92.5	94.1	95.1	95.2	95.7	96.1	96.1	96.2	96.2	96.2	96.2
GE 500	52.2	74.8	81.2	86.3	91.7	93.5	95.2	96.3	96.6	97.4	98.0	98.0	98.1	98.2	98.2	98.2
GE 400	52.2	74.8	81.2	86.3	91.8	93.7	95.5	96.8	97.0	97.8	98.6	98.6	98.7	98.9	99.0	99.0
GE 300	52.2	74.8	81.2	86.3	91.8	93.7	95.5	96.8	97.0	97.8	98.8	98.8	98.9	99.2	99.5	99.6
GE 200	52.2	74.8	81.2	86.3	91.8	93.7	95.5	96.8	97.0	97.8	98.8	98.8	98.9	99.5	99.7	99.8
GE 100	52.2	74.8	81.2	86.3	91.8	93.7	95.5	96.8	97.0	97.8	98.8	98.8	98.9	99.5	99.8	100.0
GE 0	52.2	74.8	81.2	86.3	91.8	93.7	95.5	96.8	97.0	97.8	98.8	98.8	98.9	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAR HOURS (LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	28.8	35.7	36.2	36.5	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
GE 20000	34.1	41.9	42.5	42.7	43.3	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 18000	34.4	42.3	42.8	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 16000	34.6	42.5	43.0	43.2	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 14000	35.1	43.2	43.8	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 12000	35.6	43.9	44.4	44.5	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 10000	37.1	46.5	47.0	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
GE 9000	37.5	47.0	47.5	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 8000	40.1	50.3	50.9	51.1	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 7000	41.1	51.3	52.2	52.5	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 6000	41.5	51.8	52.9	53.3	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 5000	43.9	54.8	55.9	56.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 4500	44.3	55.6	56.7	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 4000	45.8	58.0	59.2	59.9	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 3500	47.4	60.2	61.6	62.5	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 3000	49.7	64.3	65.9	67.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 2500	53.7	70.8	72.7	74.2	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 2000	57.4	75.6	77.7	79.9	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 1800	57.8	76.2	78.5	80.5	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 1500	59.2	78.6	81.4	83.5	86.1	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 1200	59.6	81.3	84.3	87.3	89.9	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 1000	59.6	81.6	85.1	87.7	90.9	91.5	91.9	91.9	91.9	91.9	92.0	92.2	92.2	92.2	92.2	92.2
GE 900	59.9	82.5	86.0	88.5	92.2	92.8	93.5	93.7	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0
GE 800	60.0	83.3	87.0	89.9	93.3	94.2	95.2	95.4	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8
GE 700	60.0	83.5	87.4	91.1	94.7	95.7	96.8	97.1	97.2	97.6	97.7	97.7	97.7	97.7	97.7	97.7
GE 600	60.0	83.7	88.0	91.7	95.4	96.3	97.4	97.7	98.0	98.4	98.6	98.6	98.6	98.6	98.6	98.6
GE 500	60.0	83.8	88.1	91.3	95.8	96.9	98.0	98.4	98.6	99.1	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	60.0	83.8	88.1	91.3	95.8	96.9	98.0	98.7	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	60.0	83.8	88.1	91.3	95.8	96.9	98.0	98.7	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	60.0	83.8	88.1	91.3	95.8	96.9	98.0	98.7	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	60.0	83.8	88.1	91.3	95.8	96.9	98.0	98.7	98.9	99.5	99.9	99.9	99.9	99.9	99.9	100.0
GE 0	60.0	83.8	88.1	91.3	95.8	96.9	98.0	98.7	98.9	99.5	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAR HOURS(EST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	28.7	33.5	33.9	34.0	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
GE 20000	35.5	41.1	41.5	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 18000	36.2	41.9	42.4	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GE 16000	36.2	41.9	42.4	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GE 14000	36.5	42.2	42.6	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 12000	37.4	43.1	43.5	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 10000	39.1	45.1	45.6	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 9000	39.4	45.3	45.8	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 8000	41.3	48.0	48.5	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 7000	42.7	49.5	50.1	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 6000	42.9	50.0	50.6	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 5000	45.7	53.5	54.4	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 4500	46.9	55.5	56.5	56.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 4000	49.0	58.7	59.8	59.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 3500	51.4	61.9	63.0	63.1	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 3000	55.5	67.4	68.9	69.2	69.8	69.8	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 2500	59.9	73.3	75.8	76.3	77.5	77.7	78.1	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 2000	62.7	78.1	80.8	81.3	82.7	83.0	83.3	83.4	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 1800	62.8	78.5	81.2	82.3	83.1	83.4	83.8	84.0	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 1500	63.3	81.0	84.5	86.1	87.8	88.3	88.7	89.0	89.1	89.2	89.4	89.4	89.4	89.4	89.4	89.4
GE 1200	63.7	82.5	86.2	88.1	90.1	90.6	91.8	92.4	92.5	92.6	92.8	92.8	92.8	92.8	92.8	92.8
GE 1000	63.9	82.9	86.9	89.3	91.4	92.0	93.2	93.8	94.0	94.1	94.6	94.6	94.6	94.6	94.6	94.6
GE 900	63.9	83.3	87.4	89.9	92.5	93.3	94.5	95.1	95.3	95.4	95.9	95.9	95.9	95.9	95.9	95.9
GE 800	63.9	83.9	88.2	90.9	93.7	94.6	96.0	96.6	96.8	96.9	97.4	97.4	97.4	97.4	97.5	97.5
GE 700	64.0	84.2	88.7	91.5	94.4	95.6	97.1	97.6	97.8	98.1	98.6	98.6	98.6	98.6	98.7	98.7
GE 600	64.0	84.3	88.8	91.5	94.8	96.0	97.6	98.2	98.5	98.7	99.2	99.2	99.2	99.2	99.4	99.4
GE 500	64.0	84.3	88.8	91.5	94.9	96.2	98.0	98.5	98.9	99.1	99.7	99.7	99.7	99.7	99.8	99.8
GE 400	64.0	84.3	88.8	91.5	94.9	96.2	98.0	98.5	98.9	99.1	99.7	99.7	99.7	99.7	99.8	99.8
GE 300	64.0	84.3	88.8	91.5	94.9	96.2	98.0	98.5	98.9	99.1	99.7	99.7	99.7	99.7	99.9	100.0
GE 200	64.0	84.3	88.8	91.5	94.9	96.2	98.0	98.5	98.9	99.1	99.7	99.7	99.7	99.7	99.9	100.0
GE 100	64.0	84.3	88.8	91.5	94.9	96.2	98.0	98.5	98.9	99.1	99.7	99.7	99.7	99.7	99.9	100.0
GE 0	64.0	84.3	88.8	91.5	94.9	96.2	98.0	98.5	98.9	99.1	99.7	99.7	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAR HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	53.5	37.2	38.0	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
GE 20000	36.2	40.5	41.3	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 18000	36.7	41.0	41.7	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 16000	36.8	41.1	41.8	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 14000	37.0	41.3	42.0	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GE 12000	38.4	42.7	43.4	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 10000	40.5	45.7	46.5	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 9000	41.1	46.2	47.0	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
GE 8000	43.5	49.2	50.3	50.3	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 7000	45.1	50.9	51.9	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 6000	45.5	51.3	52.5	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 5000	47.4	53.9	55.2	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 4500	49.2	56.1	57.6	58.3	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 4000	52.5	59.9	61.6	62.4	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 3500	55.3	64.2	65.9	66.9	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 3000	58.6	68.5	70.3	71.3	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 2500	60.6	73.8	75.8	77.1	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 2000	62.3	78.1	80.4	81.9	83.5	83.8	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 1800	62.4	78.4	80.8	82.3	83.9	84.1	84.2	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 1500	63.4	80.8	83.7	85.5	87.3	87.7	88.0	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 1200	64.0	81.8	84.8	87.3	89.1	89.9	90.3	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1000	64.1	82.4	85.4	88.3	91.3	92.5	92.9	93.2	93.2	93.5	93.5	93.5	93.5	93.7	93.7	93.7
GE 900	64.1	82.5	85.6	88.7	92.2	93.3	93.8	94.2	94.2	94.6	94.6	94.6	94.6	94.7	94.7	94.7
GE 800	64.2	82.8	86.0	89.1	92.6	93.9	94.3	94.7	94.8	95.3	95.4	95.4	95.4	95.6	95.6	95.7
GE 700	64.2	83.0	86.5	89.6	93.5	95.2	95.9	96.3	96.5	97.2	97.3	97.3	97.3	97.6	97.6	97.7
GE 600	64.2	83.0	86.5	90.3	94.0	95.8	97.0	97.4	97.7	98.5	98.6	98.6	98.6	98.9	98.9	99.0
GE 500	64.2	83.0	86.7	90.2	94.2	96.0	97.2	97.6	98.0	98.8	98.9	98.9	98.9	99.2	99.2	99.4
GE 400	64.2	83.0	86.7	90.4	94.4	96.2	97.5	98.0	98.3	99.1	99.2	99.2	99.2	99.6	99.6	99.7
GE 300	64.2	83.0	86.7	90.4	94.4	96.2	97.5	98.1	98.4	99.2	99.4	99.4	99.4	99.7	99.7	99.9
GE 200	64.2	83.0	86.7	90.4	94.4	96.2	97.5	98.1	98.4	99.2	99.4	99.4	99.4	99.8	99.8	99.9
GE 100	64.2	83.0	86.7	90.4	94.4	96.2	97.5	98.1	98.4	99.2	99.4	99.4	99.4	99.8	99.8	99.9
GE 01	64.2	83.0	86.7	90.4	94.4	96.2	97.5	98.1	98.4	99.2	99.4	99.4	99.4	99.8	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/FLTC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAR HOURS(ELST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	37.7	40.0	40.4	41.3	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 20000	40.6	43.4	43.9	44.7	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 18000	40.6	43.4	43.9	44.7	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 16000	40.6	43.4	43.9	44.7	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 14000	41.0	43.8	44.2	45.1	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 12000	41.9	44.7	45.2	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 10000	43.4	46.3	46.8	47.5	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 9000	43.7	46.6	47.0	47.8	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 8000	47.4	50.8	51.2	52.3	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 7000	48.9	52.5	52.9	53.3	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 6000	50.9	54.5	54.9	55.3	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 5000	53.9	58.4	59.1	60.3	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 4500	56.0	61.0	61.8	63.3	63.3	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 4000	57.8	63.7	64.5	66.3	66.6	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 3500	58.8	65.1	66.0	67.7	68.3	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 3000	61.1	67.7	68.7	70.4	71.1	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 2500	64.0	72.6	74.1	75.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 2000	66.0	76.0	77.7	79.5	81.3	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 1800	66.8	76.9	78.6	80.4	82.2	82.8	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 1500	68.0	79.9	81.6	83.3	85.8	86.6	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 1200	68.2	80.9	82.6	84.7	86.9	88.1	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 1000	68.5	81.9	83.8	86.5	89.0	90.3	90.9	91.1	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 900	68.5	82.3	84.3	87.2	89.9	91.4	91.9	92.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 800	68.7	82.9	85.1	88.2	91.2	92.7	93.2	93.5	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 700	68.7	83.2	85.7	88.9	92.4	94.0	94.6	95.1	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 600	68.7	83.3	86.0	89.4	92.9	94.9	95.6	96.2	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 500	68.7	83.3	86.2	89.3	93.9	95.9	96.6	97.5	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 400	68.7	83.3	86.2	89.3	94.0	96.0	96.9	98.4	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	68.7	83.3	86.2	89.3	94.0	96.0	96.9	98.4	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	68.7	83.3	86.2	90.3	94.2	96.2	97.1	98.6	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	68.7	83.3	86.2	90.0	94.2	96.2	97.1	98.6	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 0	68.7	83.3	86.2	90.3	94.2	96.2	97.1	98.6	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745703 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAR HOURS(IST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	51.0	35.7	36.7	37.3	37.7	37.9	38.1	38.2	38.2	38.2	38.3	38.3	38.4	38.4	38.4	38.4
GE 20000	35.0	40.3	41.3	42.3	42.4	42.6	42.8	42.9	42.9	42.9	43.0	43.0	43.1	43.1	43.1	43.1
GE 18000	35.2	40.5	41.6	42.2	42.6	42.8	43.0	43.1	43.1	43.2	43.3	43.3	43.3	43.3	43.3	43.3
GE 16000	35.2	40.6	41.6	42.2	42.6	42.9	43.0	43.1	43.2	43.2	43.3	43.3	43.3	43.3	43.4	43.4
GE 14000	35.5	41.0	42.0	42.7	43.1	43.3	43.5	43.6	43.6	43.6	43.7	43.7	43.8	43.8	43.8	43.8
GE 12000	36.4	41.9	43.0	43.7	44.1	44.3	44.4	44.6	44.6	44.6	44.7	44.7	44.8	44.8	44.8	44.8
GE 10000	38.0	44.0	45.1	45.3	46.2	46.4	46.6	46.7	46.7	46.8	46.9	46.9	46.9	46.9	46.9	46.9
GE 9000	38.3	44.3	45.4	46.1	46.5	46.7	46.9	47.0	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.3
GE 8000	40.7	47.5	48.7	49.5	50.0	50.2	50.4	50.5	50.5	50.6	50.6	50.7	50.7	50.7	50.7	50.8
GE 7000	41.9	48.9	50.3	51.1	51.6	51.9	52.1	52.2	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.5
GE 6000	42.7	49.8	51.3	52.2	52.7	52.9	53.1	53.3	53.3	53.3	53.4	53.4	53.5	53.5	53.5	53.5
GE 5000	45.3	53.2	54.8	55.7	56.2	56.6	56.8	56.9	57.0	57.0	57.1	57.1	57.2	57.2	57.2	57.2
GE 4500	47.2	55.7	57.5	58.5	59.1	59.5	59.8	59.9	59.9	60.0	60.0	60.1	60.1	60.1	60.1	60.2
GE 4000	49.0	58.2	60.1	61.2	62.0	62.4	62.6	62.7	62.8	62.8	62.9	62.9	63.0	63.0	63.0	63.3
GE 3500	51.1	61.0	63.0	64.3	65.1	65.6	65.8	66.0	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.3
GE 3000	53.6	64.5	66.8	68.1	69.1	69.5	69.9	70.0	70.0	70.1	70.2	70.2	70.3	70.3	70.3	70.3
GE 2500	56.9	69.5	72.2	73.9	75.2	75.7	76.1	76.2	76.3	76.4	76.5	76.5	76.5	76.5	76.6	76.6
GE 2000	59.3	73.2	76.2	78.3	79.6	80.1	80.6	80.7	80.8	80.9	81.0	81.0	81.1	81.1	81.1	81.1
GE 1800	59.7	74.0	77.0	78.9	80.5	81.1	81.5	81.7	81.8	81.9	82.0	82.0	82.0	82.0	82.1	82.1
GE 1500	61.0	76.8	80.2	82.4	84.7	85.4	85.9	86.1	86.2	86.4	86.5	86.5	86.6	86.6	86.6	86.6
GE 1200	61.4	78.3	81.9	84.3	86.8	87.7	88.4	88.6	88.7	88.9	89.0	89.0	89.1	89.1	89.1	89.2
GE 1000	61.7	79.2	83.0	85.7	88.5	89.5	90.4	90.7	90.9	91.1	91.3	91.3	91.4	91.4	91.4	91.4
GE 900	61.8	79.8	83.8	86.3	89.9	90.9	91.9	92.2	92.4	92.6	92.8	92.8	92.9	92.9	93.0	93.3
GE 800	61.9	80.5	84.7	87.9	91.2	92.4	93.5	94.0	94.1	94.4	94.7	94.7	94.8	94.8	94.8	94.8
GE 700	61.9	80.8	85.2	88.5	92.3	93.6	94.7	95.3	95.5	95.9	96.1	96.1	96.2	96.2	96.3	96.3
GE 600	61.9	81.0	85.4	89.2	92.8	94.3	95.5	96.1	96.4	96.9	97.2	97.2	97.3	97.3	97.3	97.4
GE 500	62.0	81.1	85.7	89.4	93.5	95.1	96.4	97.2	97.5	98.1	98.5	98.5	98.6	98.6	98.7	98.7
GE 400	62.0	81.1	85.8	89.5	93.5	95.3	96.7	97.6	97.9	98.6	99.0	99.0	99.2	99.2	99.3	99.3
GE 300	62.0	81.1	85.8	89.5	93.5	95.3	96.7	97.6	98.0	98.7	99.3	99.3	99.5	99.6	99.7	99.7
GE 200	62.0	81.1	85.8	89.5	93.6	95.3	96.7	97.7	98.0	98.8	99.3	99.4	99.6	99.7	99.8	99.9
GE 100	62.0	81.1	85.8	89.5	93.6	95.3	96.7	97.7	98.0	98.8	99.3	99.4	99.7	99.7	99.8	100.0
GE 0	62.0	81.1	85.8	89.5	93.6	95.3	96.7	97.7	98.0	98.8	99.3	99.4	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: APR HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	45.6	47.3	48.0	48.5	48.8	48.8	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 20000	48.7	51.0	52.1	52.7	53.0	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 18000	48.7	51.0	52.1	52.7	53.0	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 16000	48.7	51.0	52.1	52.7	53.0	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 14000	49.1	51.4	52.6	53.1	53.4	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 12000	50.2	52.9	54.6	54.5	54.9	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 10000	53.0	55.8	56.9	57.4	57.8	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 9000	53.3	56.1	57.2	57.3	58.1	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 8000	57.1	60.2	61.4	62.2	62.6	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 7000	59.7	63.0	64.2	65.3	65.3	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 6000	60.4	63.9	65.1	65.9	66.2	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 5000	64.7	68.8	70.1	70.9	71.2	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 4500	67.3	72.4	73.8	74.5	74.9	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 4000	70.4	77.0	78.4	79.3	79.7	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 3500	72.2	79.2	80.7	81.5	81.9	82.1	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 3000	74.0	81.2	82.8	83.7	84.1	84.3	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 2500	76.9	84.3	86.1	87.3	87.6	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 2000	78.0	85.7	87.6	88.4	89.0	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 1800	78.8	86.8	88.8	89.7	90.3	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1500	79.9	88.2	90.2	91.3	92.0	92.3	92.3	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1200	80.8	89.9	92.1	93.3	94.0	94.4	94.4	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1000	81.1	91.3	93.8	95.1	95.8	96.3	96.3	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 900	81.2	91.7	94.2	95.5	96.3	96.9	97.0	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 800	81.2	91.7	94.2	95.5	96.6	97.1	97.2	97.6	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 700	81.2	91.8	94.3	95.9	96.7	97.2	97.3	97.9	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 600	81.2	91.8	94.3	95.9	96.9	97.7	97.9	98.8	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	81.2	91.8	94.3	95.9	96.9	97.7	97.9	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 400	81.2	91.8	94.3	95.9	97.0	97.8	98.0	99.0	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	81.2	91.8	94.3	95.9	97.1	98.0	98.2	99.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	81.2	91.8	94.3	95.9	97.1	98.0	98.2	99.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	81.2	91.8	94.3	95.9	97.1	98.0	98.2	99.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	81.2	91.8	94.3	95.9	97.1	98.0	98.2	99.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: APR HOURS (LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	44.0	47.4	48.6	48.7	49.1	49.3	49.6	49.8	49.9	49.9	50.0	50.0	50.2	50.2	50.4	50.4
GE 20000	46.8	50.3	51.7	51.3	52.2	52.4	52.7	52.9	53.0	53.0	53.1	53.1	53.3	53.3	53.6	53.6
GE 18000	46.8	50.3	51.7	51.3	52.2	52.4	52.7	52.9	53.0	53.0	53.1	53.1	53.3	53.3	53.6	53.6
GE 16000	46.8	50.3	51.7	51.3	52.2	52.4	52.7	52.9	53.0	53.0	53.1	53.1	53.3	53.3	53.6	53.6
GE 14000	47.0	50.7	52.0	52.1	52.6	52.8	53.0	53.2	53.3	53.3	53.4	53.4	53.7	53.7	53.9	53.9
GE 12000	48.3	52.2	53.7	53.3	54.2	54.4	54.7	54.9	55.0	55.0	55.1	55.1	55.3	55.3	55.6	55.6
GE 10000	50.0	54.0	55.7	55.3	56.2	56.4	56.7	56.9	57.0	57.0	57.1	57.1	57.3	57.3	57.6	57.6
GE 9000	50.8	54.8	56.4	56.5	57.0	57.2	57.4	57.7	57.8	57.8	57.9	57.9	58.1	58.1	58.3	58.3
GE 8000	55.7	60.3	62.2	62.7	63.1	63.7	63.9	64.1	64.2	64.2	64.3	64.3	64.6	64.6	64.8	64.8
GE 7000	56.7	61.3	63.2	63.7	64.1	64.7	64.9	65.1	65.2	65.2	65.3	65.3	65.6	65.6	65.8	65.8
GE 6000	57.9	62.9	65.0	65.4	65.9	66.4	66.7	66.9	67.0	67.0	67.1	67.1	67.3	67.3	67.6	67.6
GE 5000	61.3	67.3	69.6	70.3	70.4	71.0	71.2	71.4	71.6	71.6	71.7	71.7	71.9	71.9	72.1	72.1
GE 4500	64.6	71.3	73.8	74.3	74.8	75.3	75.6	75.8	75.9	75.9	76.0	76.0	76.2	76.2	76.4	76.4
GE 4000	66.6	73.6	76.2	76.3	77.3	78.0	78.2	78.6	78.7	78.7	78.8	78.8	79.0	79.0	79.2	79.2
GE 3500	67.8	74.8	77.4	78.3	78.6	79.2	79.4	79.8	79.9	79.9	80.0	80.0	80.2	80.2	80.4	80.4
GE 3000	70.1	77.8	80.6	81.2	81.9	82.6	82.8	83.1	83.2	83.2	83.3	83.3	83.6	83.6	83.8	83.8
GE 2500	72.4	80.3	84.1	84.9	85.6	86.2	86.4	86.8	86.9	86.9	87.0	87.0	87.2	87.2	87.4	87.4
GE 2000	73.2	81.1	85.0	85.3	86.4	87.1	87.3	87.7	87.8	87.8	87.9	87.9	88.1	88.1	88.3	88.3
GE 1800	73.6	81.4	85.3	86.1	86.8	87.4	87.7	88.0	88.1	88.1	88.2	88.2	88.4	88.4	88.7	88.7
GE 1500	74.6	83.1	87.3	88.4	89.4	90.1	90.3	90.7	90.8	90.8	90.9	90.9	91.1	91.1	91.3	91.3
GE 1200	75.4	84.7	89.1	90.5	91.7	92.4	92.8	93.1	93.2	93.2	93.3	93.3	93.6	93.6	93.8	93.8
GE 1000	76.1	86.1	90.8	92.4	93.7	94.4	94.8	95.1	95.2	95.2	95.3	95.3	95.7	95.7	95.9	95.9
GE 900	76.2	86.3	91.1	92.3	94.0	94.8	95.1	95.4	95.6	95.6	95.7	95.7	96.0	96.0	96.2	96.2
GE 800	76.4	86.6	91.4	93.1	94.7	95.4	95.8	96.1	96.2	96.2	96.3	96.3	96.7	96.7	96.9	96.9
GE 700	76.4	86.8	91.7	93.4	95.0	95.9	96.3	97.0	97.1	97.1	97.2	97.2	97.8	97.8	98.0	98.0
GE 600	76.4	86.8	91.7	93.4	95.0	95.9	96.3	97.0	97.1	97.1	97.2	97.3	97.9	97.9	98.1	98.1
GE 500	76.4	86.8	91.7	93.5	95.4	96.3	96.9	97.7	97.8	97.9	98.0	98.0	98.6	98.6	98.8	98.8
GE 400	76.4	86.8	91.7	93.7	95.6	96.4	97.2	98.1	98.2	98.3	98.4	98.4	99.0	99.0	99.3	99.3
GE 300	76.4	86.8	91.7	93.7	95.7	96.6	97.3	98.2	98.3	98.6	98.7	98.7	99.2	99.2	99.6	99.6
GE 200	76.4	86.8	91.7	93.7	95.7	96.6	97.3	98.2	98.3	98.6	98.8	98.8	99.6	99.6	99.9	99.9
GE 100	76.4	86.8	91.7	93.7	95.7	96.6	97.3	98.2	98.3	98.6	98.8	98.8	99.6	99.6	100.0	100.0
GE 0	76.4	86.8	91.7	93.7	95.7	96.6	97.3	98.2	98.3	98.6	98.8	98.8	99.6	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: APR HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	30.2	39.1	41.4	42.9	43.7	44.4	45.1	45.3	45.4	45.4	45.9	45.9	46.1	46.2	46.3	46.4
GE 20000	33.2	42.8	45.1	46.5	47.4	48.2	48.9	49.1	49.2	49.2	49.7	49.7	49.9	50.0	50.1	50.2
GE 18000	33.6	43.1	45.4	46.9	47.8	48.6	49.2	49.4	49.6	49.6	50.0	50.0	50.2	50.3	50.4	50.6
GE 16000	33.7	43.2	45.6	47.3	47.9	48.7	49.3	49.6	49.7	49.7	50.1	50.1	50.3	50.4	50.6	50.7
GE 14000	33.9	43.4	45.8	47.2	48.1	48.9	49.6	49.8	49.9	49.9	50.3	50.3	50.6	50.7	50.8	50.9
GE 12000	34.3	44.7	47.1	48.7	49.6	50.3	51.0	51.2	51.3	51.3	51.8	51.8	52.0	52.1	52.2	52.3
GE 10000	35.9	46.8	49.3	50.9	52.0	52.8	53.6	53.8	53.9	53.9	54.3	54.3	54.6	54.7	54.8	54.9
GE 9000	36.6	47.4	50.1	51.3	52.9	53.7	54.4	54.7	54.8	54.8	55.2	55.2	55.4	55.6	55.7	55.8
GE 8000	39.8	52.0	55.2	57.1	58.6	59.4	60.2	60.7	60.8	60.8	61.2	61.2	61.4	61.6	61.7	61.9
GE 7000	41.4	53.9	57.2	59.3	60.8	61.7	62.4	62.9	63.0	63.0	63.4	63.4	63.7	63.8	63.9	64.0
GE 6000	41.9	54.8	58.2	60.4	62.2	63.1	63.9	64.3	64.4	64.4	64.9	64.9	65.1	65.2	65.3	65.4
GE 5000	44.2	58.2	61.8	64.1	66.1	67.0	67.8	68.2	68.3	68.3	68.8	68.8	69.0	69.1	69.2	69.3
GE 4500	45.0	60.7	64.3	66.3	69.0	69.9	70.8	71.2	71.3	71.3	71.8	71.8	72.0	72.1	72.2	72.3
GE 4000	46.8	63.3	67.1	69.3	72.0	72.9	73.9	74.4	74.6	74.6	75.0	75.0	75.2	75.3	75.4	75.6
GE 3500	47.7	64.9	68.8	71.4	73.7	74.7	75.7	76.2	76.3	76.3	76.8	76.8	77.0	77.1	77.2	77.3
GE 3000	49.0	66.9	71.0	74.1	76.4	77.6	78.6	79.2	79.3	79.3	79.8	79.8	80.0	80.1	80.2	80.3
GE 2500	49.9	68.2	72.3	75.5	78.0	79.1	80.1	80.8	80.9	80.9	81.3	81.3	81.6	81.7	81.8	81.9
GE 2000	50.8	69.8	74.0	77.5	80.1	81.3	82.3	83.0	83.1	83.1	83.6	83.6	83.8	83.9	84.0	84.1
GE 1800	51.4	70.6	74.9	78.5	81.3	82.6	83.7	84.6	84.7	84.7	85.1	85.1	85.3	85.4	85.6	85.7
GE 1500	52.4	72.3	77.3	81.4	84.6	86.0	87.1	88.0	88.1	88.1	88.7	88.7	88.9	89.0	89.1	89.2
GE 1200	52.8	73.8	79.0	83.5	86.7	88.2	89.3	90.2	90.3	90.3	91.0	91.0	91.2	91.3	91.4	91.6
GE 1000	53.6	74.9	80.4	85.2	88.7	90.3	91.4	92.3	92.3	92.4	92.6	93.2	93.4	93.6	93.7	93.8
GE 900	53.6	75.2	80.8	85.5	89.3	91.1	92.3	93.2	93.3	93.4	94.1	94.1	94.3	94.4	94.6	94.7
GE 800	53.6	76.0	81.9	87.3	91.1	92.9	94.3	95.2	95.3	95.6	96.2	96.2	96.4	96.6	96.7	96.8
GE 700	53.6	76.2	82.2	87.3	91.4	93.2	94.8	95.9	96.1	96.4	97.1	97.1	97.3	97.4	97.6	97.7
GE 600	53.6	76.3	82.3	87.7	91.9	93.8	95.3	96.6	96.8	97.1	97.8	97.8	98.0	98.1	98.2	98.3
GE 500	53.6	76.3	82.3	87.3	92.0	93.9	95.4	96.9	97.4	97.8	98.4	98.4	98.7	98.8	98.9	99.0
GE 400	53.6	76.3	82.3	87.3	92.0	94.2	96.0	97.6	98.1	98.4	99.1	99.1	99.3	99.4	99.6	99.7
GE 300	53.6	76.3	82.3	87.3	92.0	94.2	96.0	97.6	98.1	98.4	99.1	99.1	99.3	99.4	99.6	99.7
GE 200	53.6	76.3	82.3	87.3	92.0	94.2	96.0	97.6	98.1	98.4	99.1	99.1	99.3	99.4	99.6	99.7
GE 100	53.6	76.3	82.3	87.3	92.0	94.2	96.0	97.6	98.1	98.4	99.1	99.1	99.3	99.4	99.6	99.7
GE 0	53.6	76.3	82.3	87.3	92.0	94.2	96.0	97.6	98.1	98.4	99.1	99.1	99.3	99.4	99.6	99.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: APR HOURS(1ST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	37.8	45.1	45.8	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 20000	42.0	50.4	51.1	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 18000	42.0	50.8	51.4	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 16000	42.0	50.8	51.4	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 14000	42.3	51.3	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 12000	42.8	52.1	52.8	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 10000	44.0	53.6	54.2	54.7	54.7	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 9000	44.4	54.0	54.7	55.1	55.1	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 8000	45.9	56.8	57.6	58.3	58.4	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 7000	48.2	60.3	61.1	62.3	62.2	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 6000	49.0	61.4	62.3	63.3	63.7	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 5000	50.4	64.3	65.8	66.3	67.1	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 4500	50.7	65.1	66.7	67.7	68.0	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 4000	51.6	66.6	68.2	69.2	69.6	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 3500	52.6	68.3	70.3	71.3	71.8	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 3000	54.4	71.3	73.7	74.9	75.4	75.8	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 2500	56.4	74.9	77.4	78.9	79.3	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 2000	58.3	78.3	81.0	82.3	82.9	83.4	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 1800	59.9	80.6	83.2	84.6	85.1	85.7	86.1	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1500	61.0	82.6	85.8	87.2	87.9	88.6	89.0	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 1200	61.6	84.7	88.3	89.3	90.6	91.2	91.7	91.8	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.3
GE 1000	61.9	85.4	89.4	90.9	92.1	92.9	93.6	93.8	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.1
GE 900	61.9	86.0	90.1	91.7	93.1	93.9	94.6	94.8	94.8	95.0	95.1	95.1	95.1	95.1	95.1	95.1
GE 800	62.0	87.3	91.6	93.1	94.8	95.8	96.4	96.9	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2
GE 700	62.0	87.8	92.0	93.5	95.4	96.4	97.1	98.0	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 600	62.0	88.0	92.3	93.9	95.9	96.9	97.6	98.6	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	62.0	88.0	92.4	94.3	96.2	97.3	98.2	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	62.0	88.0	92.4	94.3	96.2	97.3	98.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	62.0	88.0	92.4	94.3	96.2	97.3	98.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	62.0	88.0	92.4	94.3	96.2	97.3	98.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	62.0	88.0	92.4	94.3	96.2	97.3	98.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	62.0	88.0	92.4	94.3	96.2	97.3	98.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: APR HOURS(1ST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	37.1	40.6	40.6	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 20000	42.8	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 18000	43.1	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 16000	43.1	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 14000	43.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 12000	43.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 10000	46.0	51.7	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 9000	46.7	52.3	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 8000	48.9	55.1	55.6	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 7000	50.7	57.2	57.9	58.3	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 6000	51.2	58.1	58.9	59.3	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 5000	53.1	60.9	62.0	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 4500	54.3	62.7	63.9	64.3	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 4000	56.6	65.8	67.0	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 3500	59.4	69.7	70.9	71.1	71.2	71.3	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 3000	62.1	73.2	74.6	75.1	75.2	75.4	75.4	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 2500	66.6	79.6	81.1	82.3	82.1	82.3	82.3	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 2000	69.4	85.2	86.9	88.3	88.2	88.4	88.4	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 1800	69.8	85.7	87.3	88.5	88.8	89.0	89.0	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 1500	70.8	87.8	89.9	91.2	91.6	91.8	91.8	91.9	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1
GE 1200	71.4	90.1	92.4	94.3	94.6	94.8	94.8	94.9	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1
GE 1000	71.6	90.9	93.7	95.5	96.2	96.6	96.7	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0
GE 900	71.7	91.2	94.0	96.3	96.7	97.1	97.2	97.3	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6
GE 800	71.7	91.6	94.6	96.8	97.4	97.9	98.0	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3
GE 700	71.7	91.6	94.7	97.3	98.0	98.6	98.7	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	71.7	91.7	95.0	97.3	98.4	99.0	99.1	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	71.7	91.7	95.0	97.3	98.6	99.2	99.4	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	71.7	91.7	95.0	97.3	98.6	99.3	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	71.7	91.7	95.0	97.3	98.6	99.3	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	71.7	91.7	95.0	97.3	98.6	99.3	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	71.7	91.7	95.0	97.3	98.6	99.3	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	71.7	91.7	95.0	97.3	98.6	99.3	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: APR HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	36.3	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 20000	41.8	45.7	45.8	45.3	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 18000	41.9	45.9	46.0	46.3	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 16000	42.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 14000	42.7	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 12000	42.9	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 10000	45.9	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 9000	46.0	50.4	50.6	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 8000	48.7	54.0	54.3	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 7000	50.0	55.9	56.2	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 6000	51.7	58.3	58.7	59.3	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 5000	53.9	61.1	61.4	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 4500	54.7	62.0	62.3	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 4000	59.0	67.7	68.1	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 3500	62.9	72.8	73.2	73.3	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 3000	66.1	76.7	77.3	78.1	78.6	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8
GE 2500	72.1	85.6	86.4	87.5	88.1	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 2000	73.4	89.1	90.0	91.3	92.0	92.1	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 1800	74.0	89.7	90.7	92.3	92.8	92.9	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1500	74.7	91.1	92.2	93.7	94.4	94.6	94.7	94.7	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9
GE 1200	75.4	93.0	94.2	95.9	96.7	96.8	96.9	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1
GE 1000	75.8	93.3	94.7	96.4	97.3	97.4	97.7	97.7	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9
GE 900	75.8	93.3	94.7	96.4	97.3	97.4	97.7	97.7	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9
GE 800	75.8	93.6	94.9	96.9	97.9	98.0	98.2	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	75.9	93.7	95.2	97.2	98.3	98.6	98.8	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	75.9	93.8	95.3	97.3	98.4	98.8	99.1	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	75.9	93.8	95.6	97.5	98.7	99.0	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	75.9	93.8	95.6	97.5	98.7	99.0	99.6	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	75.9	93.8	95.6	97.5	98.7	99.0	99.6	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	75.9	93.8	95.6	97.5	98.7	99.0	99.6	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	75.9	93.8	95.6	97.5	98.7	99.0	99.6	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 0	75.9	93.8	95.6	97.5	98.7	99.0	99.6	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: APR HOURS(1ST): 1800-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	38.2	41.1	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 20000	46.7	49.9	50.4	50.7	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 18000	47.0	50.2	50.8	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 16000	47.1	50.3	50.9	51.1	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 14000	47.9	51.1	51.7	51.9	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 12000	49.0	52.4	53.0	53.2	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 10000	52.0	55.4	56.0	56.2	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 9000	52.3	55.8	56.3	56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 8000	54.3	58.4	59.1	59.3	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 7000	55.2	59.3	60.0	60.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 6000	56.7	61.0	61.7	62.0	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 5000	58.6	64.0	64.8	65.1	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 4500	60.3	65.9	66.7	67.0	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 4000	64.9	71.8	72.7	73.2	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 3500	67.4	75.1	76.1	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 3000	71.2	79.9	81.0	81.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 2500	74.6	84.6	85.8	86.3	87.9	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 2000	76.2	87.1	88.3	89.7	91.2	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 1800	76.4	87.3	88.6	89.9	91.4	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 1500	77.0	88.6	90.1	91.4	93.2	93.4	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1200	77.3	90.0	91.7	93.3	95.3	95.6	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1000	77.6	90.8	92.7	94.5	97.1	97.4	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 900	77.6	90.8	92.7	94.5	97.1	97.4	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 800	77.6	90.8	92.7	94.5	97.1	97.6	98.1	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	77.6	90.8	92.8	94.7	97.3	98.0	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	77.6	90.8	92.8	94.9	97.7	98.4	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	77.6	90.8	92.8	94.9	97.7	98.6	99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	77.6	90.8	92.6	94.9	97.7	98.6	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	77.6	90.8	92.8	94.9	97.7	98.6	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	77.6	90.8	92.8	94.9	97.7	98.6	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	77.6	90.8	92.8	94.9	97.7	98.6	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 0	77.6	90.8	92.8	94.9	97.7	98.6	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: APR HOURS(UTC): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	47.2	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.1	50.1	50.1	50.2	50.2	50.2	50.2
GE 20000	52.0	55.2	55.9	56.3	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.4	56.4	56.4	56.4
GE 18000	52.4	55.7	56.3	56.4	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.9	56.9	56.9	56.9
GE 16000	52.6	55.8	56.4	56.5	56.8	56.8	56.8	56.8	56.8	56.9	56.9	56.9	57.0	57.0	57.0	57.0
GE 14000	52.6	55.8	56.4	56.5	56.8	56.8	56.8	56.8	56.8	56.9	56.9	56.9	57.0	57.0	57.0	57.0
GE 12000	53.1	56.3	57.0	57.1	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.6	57.6	57.6	57.6
GE 10000	55.7	59.0	59.7	59.3	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.2
GE 9000	55.7	59.1	59.6	59.7	60.1	60.1	60.1	60.1	60.1	60.2	60.2	60.2	60.3	60.3	60.3	60.3
GE 8000	59.4	63.1	63.9	64.3	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.4
GE 7000	62.1	65.9	66.7	66.3	67.0	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.2	67.2	67.2	67.2
GE 6000	63.3	67.2	68.0	68.1	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.6	68.6	68.6	68.6
GE 5000	66.4	71.0	72.0	72.1	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.6	72.6	72.6	72.6
GE 4500	68.8	73.8	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.6	75.6	75.6	75.6
GE 4000	71.7	77.3	78.4	78.5	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.1	79.1	79.1	79.1
GE 3500	72.6	79.0	80.1	80.2	80.6	80.6	80.7	80.7	80.7	80.8	80.8	80.8	80.9	80.9	80.9	80.9
GE 3000	75.2	82.3	83.4	83.7	84.0	84.1	84.2	84.2	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.4
GE 2500	77.7	85.9	87.3	87.3	88.1	88.2	88.3	88.3	88.3	88.4	88.4	88.4	88.6	88.6	88.6	88.6
GE 2000	79.2	87.7	89.3	89.7	90.4	90.6	90.7	90.8	90.8	90.9	90.9	90.9	91.0	91.0	91.0	91.0
GE 1800	79.4	87.9	89.6	90.2	90.8	90.9	91.1	91.2	91.2	91.3	91.3	91.3	91.4	91.4	91.4	91.4
GE 1500	80.4	89.1	91.2	91.7	92.8	93.0	93.2	93.3	93.3	93.4	93.4	93.4	93.6	93.6	93.6	93.6
GE 1200	81.8	91.1	93.2	94.1	95.1	95.3	95.6	95.7	95.7	95.8	95.8	95.8	95.9	95.9	95.9	95.9
GE 1000	82.3	92.4	94.6	95.7	97.0	97.3	97.6	97.8	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.0
GE 900	82.3	92.4	94.6	95.3	97.1	97.4	97.8	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2
GE 800	82.3	92.4	94.6	95.3	97.1	97.4	97.8	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2
GE 700	82.3	92.4	94.6	95.3	97.2	97.8	98.1	98.3	98.3	98.4	98.4	98.4	98.6	98.6	98.6	98.6
GE 600	82.3	92.7	94.8	96.1	97.6	98.4	99.0	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 500	82.3	92.7	94.8	96.1	97.6	98.4	99.0	99.4	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 400	82.3	92.7	94.8	96.1	97.6	98.4	99.0	99.4	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	82.3	92.7	94.8	96.1	97.6	98.4	99.0	99.4	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	82.3	92.7	94.8	96.1	97.6	98.4	99.0	99.4	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	82.3	92.7	94.8	96.1	97.6	98.4	99.0	99.4	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 0	82.3	92.7	94.8	96.1	97.6	98.4	99.0	99.4	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



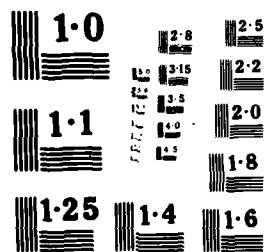
WRIGHT-PATTERSON AFB OHIO REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBS. (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. SEP 85  
USAFETAC/DS-85/050 F/G 4/2

3/4

UNCLASSIFIED

F/G 4/2

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: APR HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	39.6	43.7	44.4	44.7	44.9	45.0	45.1	45.2	45.2	45.2	45.3	45.3	45.4	45.4	45.4	45.4
GE 20000	44.2	49.1	49.9	50.2	50.5	50.7	50.8	50.9	50.9	50.9	51.0	51.0	51.1	51.1	51.1	51.1
GE 18000	44.4	49.3	50.2	50.5	50.8	51.0	51.1	51.2	51.2	51.2	51.3	51.3	51.3	51.4	51.4	51.4
GE 16000	44.5	49.4	50.3	50.5	50.9	51.1	51.2	51.2	51.3	51.3	51.3	51.3	51.4	51.4	51.5	51.5
GE 14000	44.8	49.8	50.7	51.1	51.3	51.5	51.6	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.9	51.9
GE 12000	45.5	50.8	51.7	52.3	52.3	52.5	52.6	52.7	52.7	52.7	52.8	52.8	52.9	52.9	52.9	52.9
GE 10000	47.8	53.3	54.3	54.5	55.0	55.2	55.3	55.4	55.4	55.4	55.5	55.5	55.6	55.6	55.6	55.6
GE 9000	48.2	53.8	54.7	55.1	55.4	55.6	55.8	55.8	55.9	55.9	56.0	56.0	56.0	56.0	56.1	56.1
GE 8000	51.2	57.5	58.7	59.3	59.7	60.0	60.1	60.2	60.2	60.3	60.3	60.3	60.4	60.4	60.4	60.5
GE 7000	53.0	59.6	60.8	61.5	61.9	62.2	62.3	62.4	62.4	62.5	62.5	62.5	62.6	62.6	62.7	62.7
GE 6000	54.0	61.0	62.2	62.7	63.4	63.7	63.8	63.9	63.9	64.0	64.0	64.0	64.1	64.1	64.2	64.2
GE 5000	56.6	64.5	65.9	66.5	67.2	67.4	67.6	67.7	67.7	67.7	67.8	67.8	67.9	67.9	67.9	67.9
GE 4500	58.2	66.7	68.3	69.3	69.6	69.9	70.0	70.1	70.2	70.2	70.3	70.3	70.3	70.3	70.4	70.4
GE 4000	60.9	70.4	72.0	72.3	73.5	73.7	73.9	74.1	74.1	74.1	74.2	74.2	74.2	74.3	74.3	74.3
GE 3500	62.8	73.0	74.7	75.5	76.2	76.5	76.7	76.8	76.8	76.9	76.9	76.9	77.0	77.0	77.1	77.1
GE 3000	65.3	76.2	78.0	79.1	79.8	80.2	80.4	80.6	80.6	80.6	80.7	80.7	80.8	80.8	80.8	80.8
GE 2500	68.3	80.4	82.6	83.3	84.6	85.0	85.2	85.4	85.4	85.5	85.5	85.5	85.6	85.6	85.7	85.7
GE 2000	69.8	83.0	85.3	86.5	87.5	88.0	88.2	88.4	88.5	88.5	88.6	88.6	88.7	88.7	88.7	88.7
GE 1800	70.4	83.7	86.0	87.4	88.4	88.8	89.1	89.4	89.4	89.5	89.5	89.5	89.6	89.6	89.7	89.7
GE 1500	71.3	85.3	88.0	89.5	90.7	91.2	91.5	91.8	91.8	91.9	92.0	92.0	92.1	92.1	92.1	92.1
GE 1200	72.1	87.2	90.0	91.3	93.1	93.6	93.9	94.2	94.2	94.3	94.4	94.4	94.5	94.5	94.5	94.6
GE 1000	72.5	88.2	91.3	93.2	94.7	95.3	95.7	96.0	96.1	96.2	96.3	96.3	96.4	96.4	96.4	96.5
GE 900	72.5	88.4	91.5	93.5	95.2	95.8	96.2	96.5	96.5	96.7	96.8	96.8	96.9	96.9	96.9	96.9
GE 800	72.6	88.7	92.0	94.1	95.8	96.5	97.0	97.3	97.3	97.5	97.7	97.7	97.7	97.8	97.8	97.8
GE 700	72.6	88.9	92.2	94.4	96.2	97.0	97.5	97.9	98.0	98.2	98.3	98.3	98.4	98.4	98.5	98.5
GE 600	72.6	89.0	92.3	94.5	96.5	97.4	97.9	98.5	98.6	98.8	98.9	98.9	99.0	99.1	99.1	99.1
GE 500	72.6	89.0	92.4	94.5	96.6	97.6	98.2	98.9	99.0	99.2	99.3	99.3	99.4	99.5	99.5	99.5
GE 400	72.6	89.0	92.4	94.7	96.7	97.6	98.4	99.1	99.2	99.4	99.6	99.6	99.7	99.7	99.8	99.8
GE 300	72.6	89.0	92.4	94.7	96.7	97.7	98.4	99.1	99.2	99.5	99.7	99.7	99.8	99.8	99.9	99.9
GE 200	72.6	89.0	92.4	94.7	96.7	97.7	98.4	99.1	99.2	99.5	99.7	99.7	99.9	99.9	99.9	100.0
GE 100	72.6	89.0	92.4	94.7	96.7	97.7	98.4	99.1	99.2	99.5	99.7	99.7	99.9	99.9	100.0	100.0
GE 0	72.6	89.0	92.4	94.7	96.7	97.7	98.4	99.1	99.2	99.5	99.7	99.7	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 7230

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAY HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	46.7	51.4	53.2	54.5	55.4	55.4	55.5	55.5	55.5	55.7	55.9	55.9	56.0	56.0	56.0	56.1
GE 20000	49.8	55.7	57.7	59.1	60.0	60.0	60.1	60.1	60.1	60.3	60.5	60.5	60.6	60.6	60.6	60.8
GE 18000	49.8	55.7	57.7	59.1	60.0	60.0	60.1	60.1	60.1	60.3	60.5	60.5	60.6	60.6	60.6	60.8
GE 16000	49.8	55.7	57.7	59.1	60.0	60.0	60.1	60.1	60.1	60.3	60.5	60.5	60.6	60.6	60.6	60.8
GE 14000	49.8	55.7	57.8	59.2	60.1	60.1	60.2	60.2	60.2	60.4	60.6	60.6	60.8	60.8	60.8	60.9
GE 12000	50.0	55.9	58.1	59.5	60.3	60.3	60.4	60.4	60.4	60.6	60.9	60.9	61.0	61.0	61.0	61.1
GE 10000	52.0	58.3	60.8	62.3	63.1	63.1	63.2	63.2	63.2	63.4	63.7	63.7	64.0	64.0	64.0	64.1
GE 9000	52.3	58.7	61.2	62.8	63.8	63.8	63.9	63.9	63.9	64.1	64.3	64.3	64.6	64.6	64.6	64.7
GE 8000	55.7	63.3	65.9	67.3	68.9	68.9	69.0	69.0	69.0	69.2	69.5	69.5	69.9	69.9	70.0	70.1
GE 7000	56.5	64.6	67.4	69.5	70.5	70.5	70.6	70.6	70.6	70.9	71.1	71.1	71.5	71.5	71.6	71.7
GE 6000	58.2	66.6	69.4	71.5	72.6	72.6	72.7	72.7	72.7	72.9	73.1	73.1	73.5	73.5	73.7	73.8
GE 5000	60.6	69.9	72.9	75.3	76.5	76.6	76.7	76.7	76.7	76.9	77.1	77.1	77.5	77.5	77.6	77.7
GE 4500	62.3	71.8	74.9	77.4	78.8	79.1	79.2	79.2	79.2	79.5	79.7	79.7	80.1	80.1	80.2	80.3
GE 4000	63.5	74.4	77.7	80.5	82.0	82.4	82.6	82.6	82.6	82.8	83.0	83.0	83.4	83.4	83.5	83.7
GE 3500	64.1	75.6	78.9	82.3	83.7	84.1	84.3	84.3	84.3	84.5	84.7	84.7	85.2	85.2	85.3	85.4
GE 3000	65.3	77.6	81.1	84.3	86.0	86.6	86.8	86.8	86.8	87.0	87.2	87.2	87.6	87.6	87.7	87.8
GE 2500	65.6	78.1	81.8	85.3	87.3	87.8	88.1	88.1	88.1	88.3	88.5	88.5	88.9	88.9	89.0	89.1
GE 2000	65.9	78.7	82.5	86.3	88.6	89.1	89.4	89.4	89.4	89.6	89.8	89.8	90.2	90.2	90.3	90.4
GE 1800	65.9	78.9	82.7	86.2	88.8	89.4	89.6	89.6	89.6	89.8	90.0	90.0	90.4	90.4	90.5	90.6
GE 1500	66.2	79.8	83.9	87.5	90.3	90.9	91.2	91.2	91.2	91.4	91.6	91.6	92.0	92.0	92.2	92.3
GE 1200	66.6	80.6	84.7	88.5	91.6	92.2	92.5	92.6	92.6	92.8	93.0	93.0	93.4	93.4	93.5	93.7
GE 1000	66.9	81.6	86.0	90.0	93.1	93.7	94.1	94.2	94.2	94.4	94.6	94.6	95.1	95.1	95.2	95.3
GE 900	67.0	81.8	86.2	90.2	93.3	93.9	94.3	94.4	94.4	94.6	94.8	94.8	95.3	95.3	95.4	95.5
GE 800	67.0	82.0	86.7	90.8	94.2	94.7	95.2	95.3	95.3	95.5	95.7	95.7	96.1	96.1	96.2	96.3
GE 700	67.0	82.2	86.9	91.3	94.6	95.3	95.7	95.9	95.9	96.1	96.3	96.3	96.8	96.8	96.9	97.0
GE 600	67.0	82.5	87.4	91.5	95.6	96.5	97.1	97.3	97.3	97.5	97.7	97.7	98.2	98.2	98.3	98.4
GE 500	67.0	82.8	87.8	92.3	96.0	97.1	98.1	98.3	98.3	98.5	98.8	98.8	99.2	99.2	99.4	99.5
GE 400	67.0	82.8	87.8	92.3	96.1	97.2	98.2	98.4	98.5	98.7	99.0	99.0	99.5	99.5	99.6	99.7
GE 300	67.0	82.8	87.8	92.3	96.1	97.2	98.2	98.4	98.6	98.8	99.1	99.1	99.6	99.6	99.8	99.9
GE 200	67.0	82.8	87.8	92.3	96.1	97.2	98.2	98.4	98.6	98.8	99.1	99.1	99.6	99.7	99.8	100.0
GE 100	67.0	82.8	87.8	92.3	96.1	97.2	98.2	98.4	98.6	98.8	99.1	99.1	99.6	99.7	99.8	100.0
GE 01	67.0	82.8	87.8	92.3	96.1	97.2	98.2	98.4	98.6	98.8	99.1	99.1	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAY HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	39.6	44.1	46.1	48.9	50.8	51.5	52.5	53.1	53.1	53.3	53.4	53.4	53.5	53.5	53.8	53.8
GE 20000	41.9	47.3	49.6	52.5	54.5	55.3	56.2	56.9	56.9	57.1	57.2	57.2	57.3	57.3	57.5	57.5
GE 18000	41.9	47.3	49.6	52.5	54.5	55.3	56.2	56.9	56.9	57.1	57.2	57.2	57.3	57.3	57.5	57.5
GE 16000	41.9	47.3	49.6	52.5	54.5	55.3	56.2	56.9	56.9	57.1	57.2	57.2	57.3	57.3	57.5	57.5
GE 14000	42.0	47.4	49.7	52.5	54.6	55.4	56.3	57.0	57.0	57.2	57.3	57.3	57.4	57.4	57.6	57.6
GE 12000	42.5	47.8	50.1	53.3	55.1	55.8	56.8	57.4	57.4	57.6	57.7	57.7	57.8	57.8	58.1	58.1
GE 10000	44.9	50.8	53.1	56.2	58.4	59.1	60.1	60.9	60.9	61.1	61.2	61.2	61.3	61.3	61.5	61.5
GE 9000	45.1	51.0	53.4	56.5	58.7	59.5	60.4	61.2	61.2	61.4	61.5	61.5	61.6	61.6	61.8	61.8
GE 8000	48.0	54.6	57.3	60.5	63.0	63.9	64.8	65.6	65.6	65.8	65.9	65.9	66.0	66.0	66.2	66.2
GE 7000	48.7	55.4	58.4	61.3	64.3	65.3	66.3	67.1	67.1	67.3	67.4	67.4	67.5	67.5	67.7	67.7
GE 6000	50.1	57.4	60.4	64.1	66.6	67.5	68.6	69.4	69.4	69.6	69.7	69.7	69.8	69.8	70.0	70.0
GE 5000	51.6	59.5	62.7	66.7	69.2	70.4	71.5	72.4	72.7	73.0	73.1	73.1	73.2	73.2	73.4	73.4
GE 4500	51.8	62.3	65.7	69.9	72.5	73.7	74.7	75.6	75.9	76.2	76.3	76.3	76.5	76.5	76.7	76.7
GE 4000	54.3	63.9	67.6	72.3	75.3	76.5	77.6	78.5	78.8	79.1	79.2	79.2	79.4	79.4	79.6	79.6
GE 3500	55.3	65.7	69.6	74.2	77.3	78.5	79.8	80.6	81.0	81.3	81.4	81.4	81.5	81.5	81.7	81.7
GE 3000	55.5	67.0	71.4	76.1	79.4	80.6	81.9	82.9	83.2	83.5	83.7	83.7	83.8	83.8	84.0	84.0
GE 2500	56.0	67.6	72.4	77.3	80.6	81.9	83.2	84.3	84.6	84.9	85.1	85.1	85.2	85.2	85.4	85.4
GE 2000	56.8	68.8	73.7	78.9	82.4	83.7	85.1	86.2	86.6	86.9	87.0	87.0	87.1	87.1	87.3	87.3
GE 1800	57.0	69.1	74.0	79.2	82.7	84.1	85.5	86.7	87.0	87.3	87.4	87.4	87.5	87.5	87.7	87.7
GE 1500	57.8	70.5	75.7	81.5	85.1	86.5	87.8	89.0	89.4	89.7	89.8	89.8	89.9	89.9	90.1	90.1
GE 1200	58.3	71.5	77.1	82.9	86.5	88.0	89.4	90.5	90.9	91.3	91.4	91.4	91.5	91.5	91.7	91.7
GE 1000	58.5	72.3	78.0	84.1	88.1	89.7	91.2	92.4	92.7	93.1	93.2	93.2	93.3	93.3	93.5	93.5
GE 900	58.5	72.4	78.1	84.2	88.4	90.0	91.5	92.7	93.0	93.4	93.5	93.5	93.7	93.7	93.9	93.9
GE 800	58.5	72.6	78.4	84.5	88.9	90.8	92.6	93.8	94.1	94.5	94.6	94.6	94.7	94.7	94.9	94.9
GE 700	58.5	73.0	79.0	85.5	90.3	92.4	94.3	95.5	95.8	96.2	96.3	96.3	96.5	96.5	96.7	96.7
GE 600	58.5	73.4	79.6	86.1	91.3	93.3	95.3	96.5	96.8	97.2	97.3	97.3	97.4	97.4	97.6	97.6
GE 500	58.5	73.5	79.8	86.3	91.8	93.9	96.0	97.2	97.5	98.1	98.2	98.2	98.3	98.3	98.5	98.5
GE 400	58.5	73.5	79.9	86.5	91.9	94.0	96.3	97.7	98.1	98.6	98.7	98.7	98.8	98.8	99.0	99.1
GE 300	58.5	73.5	79.9	86.5	91.9	94.0	96.3	97.8	98.2	98.7	98.8	98.8	98.9	98.9	99.1	99.2
GE 200	58.5	73.5	79.9	86.5	91.9	94.0	96.3	97.8	98.2	98.7	98.8	98.8	99.0	99.0	99.2	99.4
GE 100	58.5	73.5	79.9	86.5	91.9	94.0	96.3	97.8	98.2	98.7	98.8	98.8	99.0	99.0	99.5	99.7
GE 0	58.5	73.5	79.9	86.5	91.9	94.0	96.3	97.8	98.2	98.7	98.8	98.8	99.1	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAY HOURS (LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	30.5	41.8	44.5	46.2	49.4	50.2	51.6	52.3	52.5	52.8	52.9	52.9	53.0	53.1	53.2	53.2
GE 20000	32.0	44.1	47.0	49.4	52.0	52.9	54.5	55.3	55.5	55.9	56.0	56.0	56.2	56.3	56.5	56.5
GE 18000	32.0	44.2	47.1	49.5	52.2	53.0	54.6	55.4	55.6	56.0	56.1	56.1	56.3	56.5	56.6	56.6
GE 16000	32.0	44.3	47.2	49.5	52.3	53.1	54.7	55.5	55.7	56.1	56.2	56.2	56.5	56.6	56.7	56.7
GE 14000	32.0	44.3	47.2	49.5	52.4	53.3	54.9	55.7	55.9	56.3	56.5	56.5	56.7	56.8	56.9	56.9
GE 12000	32.7	45.1	48.2	50.5	53.3	54.3	56.2	57.0	57.2	57.6	57.7	57.7	58.0	58.1	58.2	58.2
GE 10000	34.7	48.2	51.4	53.8	56.6	57.5	59.6	60.5	60.8	61.2	61.3	61.3	61.5	61.6	61.7	61.7
GE 9000	34.8	48.5	51.7	54.1	56.9	57.8	59.9	60.9	61.1	61.5	61.6	61.6	61.8	61.9	62.0	62.0
GE 8000	36.9	51.7	55.4	58.2	61.5	62.7	64.7	65.7	65.9	66.3	66.6	66.6	66.9	67.0	67.2	67.2
GE 7000	37.5	52.6	56.2	59.3	62.5	63.7	65.7	66.7	66.9	67.3	67.5	67.5	67.8	68.0	68.2	68.2
GE 6000	38.2	53.8	57.8	60.9	64.7	66.0	68.1	69.0	69.2	69.7	69.9	69.9	70.2	70.3	70.5	70.5
GE 5000	39.8	55.7	59.9	63.1	67.5	69.2	71.7	72.8	73.0	73.4	73.7	73.7	74.0	74.1	74.3	74.3
GE 4500	40.6	57.2	61.9	65.5	70.2	71.9	74.4	75.5	75.7	76.1	76.3	76.3	76.7	76.8	77.0	77.0
GE 4000	41.2	58.4	63.4	67.1	71.7	73.4	76.0	77.2	77.4	77.8	78.1	78.1	78.4	78.5	78.7	78.7
GE 3500	41.5	59.0	64.1	67.3	72.6	74.3	76.9	78.1	78.3	78.7	78.9	78.9	79.2	79.4	79.6	79.6
GE 3000	41.9	59.9	65.3	69.3	74.0	75.7	78.3	79.5	79.7	80.1	80.3	80.3	80.6	80.8	81.0	81.0
GE 2500	42.3	60.8	66.1	70.3	74.9	76.7	79.7	81.0	81.2	81.6	81.8	81.8	82.2	82.3	82.5	82.5
GE 2000	42.4	61.4	67.0	71.1	76.1	77.8	81.1	82.4	82.6	83.0	83.2	83.2	83.5	83.7	83.9	83.9
GE 1800	42.8	62.0	67.6	71.9	77.0	78.7	82.0	83.4	83.7	84.1	84.3	84.3	84.6	84.7	84.9	84.9
GE 1500	43.0	62.8	68.4	72.9	78.6	80.3	83.8	85.2	85.4	85.8	86.0	86.0	86.3	86.5	86.7	86.7
GE 1200	43.5	64.1	70.1	74.9	81.0	82.7	86.1	87.5	87.7	88.2	88.4	88.4	88.7	88.8	89.0	89.0
GE 1000	43.5	64.6	71.4	76.7	83.0	85.3	88.8	90.3	90.6	91.1	91.3	91.3	91.6	91.7	91.9	91.9
GE 900	43.8	65.2	72.2	77.4	84.3	86.2	89.9	91.4	91.7	92.2	92.4	92.4	92.7	92.8	93.0	93.0
GE 800	43.8	65.2	72.5	77.7	84.8	87.1	91.3	92.9	93.2	93.7	93.9	93.9	94.2	94.3	94.5	94.5
GE 700	43.8	65.5	72.9	78.5	86.1	88.5	92.9	94.6	94.9	95.5	95.7	95.7	96.0	96.1	96.3	96.3
GE 600	43.8	65.5	73.0	78.5	86.2	88.8	94.0	96.0	96.5	97.0	97.2	97.2	97.5	97.6	97.8	97.8
GE 500	43.9	65.6	73.1	78.7	86.7	89.2	94.4	96.6	97.1	97.7	98.1	98.1	98.4	98.5	98.7	98.7
GE 400	43.9	65.6	73.1	78.8	86.9	89.5	94.6	96.9	97.4	98.1	98.5	98.5	98.9	99.0	99.2	99.2
GE 300	43.9	65.6	73.1	78.8	87.0	89.6	94.7	97.0	97.5	98.2	98.7	98.8	99.2	99.4	99.7	99.7
GE 200	43.9	65.6	73.1	78.8	87.0	89.6	94.7	97.0	97.5	98.2	98.7	98.8	99.4	99.5	99.8	99.8
GE 100	43.9	65.6	73.1	78.8	87.0	89.6	94.7	97.0	97.5	98.2	98.7	98.8	99.4	99.5	99.8	99.8
GE 0	43.9	65.6	73.1	78.8	87.0	89.6	94.7	97.0	97.5	98.2	98.7	98.8	99.4	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAY HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	36.9	48.8	51.3	52.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 20000	39.2	51.9	54.7	56.2	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 18000	39.2	51.9	54.7	56.2	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 16000	39.2	51.9	54.7	56.2	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 14000	39.4	52.3	55.1	56.7	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 12000	40.2	53.4	56.2	58.3	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 10000	42.7	57.2	60.1	61.3	62.6	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 9000	43.0	58.2	61.1	62.3	63.5	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 8000	45.4	61.5	64.6	66.5	67.3	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 7000	46.0	62.5	65.6	67.4	68.3	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 6000	46.1	62.7	66.0	67.3	68.7	68.8	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 5000	47.1	64.2	67.8	69.9	70.8	71.1	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 4500	47.3	65.5	69.6	71.9	73.2	73.5	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 4000	48.6	67.8	72.4	74.7	76.0	76.5	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 3500	49.1	68.8	73.4	75.9	77.3	77.7	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 3000	50.3	70.5	75.4	78.3	79.6	80.0	80.4	80.5	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 2500	51.1	72.3	77.1	79.9	81.7	82.2	82.8	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 2000	51.6	73.1	78.2	81.1	83.0	83.4	84.1	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 1800	51.8	73.3	78.4	81.5	83.4	83.9	84.5	84.6	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 1500	53.2	75.8	81.3	84.7	87.1	87.6	88.5	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 1200	54.1	77.4	83.2	86.7	89.2	89.9	90.8	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 1000	54.5	78.5	84.7	88.3	91.3	92.0	92.9	93.3	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 900	54.7	79.1	85.5	89.1	92.5	93.3	94.2	94.6	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 800	54.7	79.6	86.2	89.9	94.0	95.2	96.2	96.8	96.9	97.3	97.3	97.3	97.4	97.4	97.4	97.4
GE 700	54.8	80.0	86.7	90.4	94.7	96.1	97.3	98.0	98.2	98.6	98.6	98.6	98.7	98.7	98.7	98.7
GE 600	54.8	80.0	86.7	90.5	94.8	96.3	97.8	98.5	98.7	99.1	99.2	99.2	99.4	99.4	99.4	99.4
GE 500	54.8	80.2	86.9	90.8	95.2	96.7	98.2	98.8	99.0	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 400	54.8	80.2	86.9	90.3	95.2	96.7	98.2	98.8	99.0	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 300	54.8	80.2	86.9	90.3	95.2	96.7	98.2	98.9	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	54.8	80.2	86.9	90.3	95.2	96.7	98.2	98.9	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	54.8	80.2	86.9	90.3	95.2	96.7	98.2	98.9	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 0	54.8	80.2	86.9	90.3	95.2	96.7	98.2	98.9	99.1	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAY HOURS (LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	38.6	46.8	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 20000	45.1	55.2	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 18000	45.3	55.4	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 16000	45.3	55.5	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 14000	45.4	55.8	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 12000	45.8	56.2	58.0	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 10000	48.0	59.5	61.2	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 9000	49.2	59.9	61.6	62.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 8000	49.8	62.3	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 7000	49.9	62.6	64.4	64.9	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 6000	50.2	63.0	64.9	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 5000	51.0	65.2	67.4	68.3	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 4500	51.8	66.7	68.9	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 4000	53.9	70.3	72.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 3500	54.5	71.9	74.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 3000	58.0	76.6	79.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 2500	59.8	79.8	83.1	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 2000	61.5	81.9	85.4	87.3	87.2	87.2	87.2	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 1800	61.7	82.7	86.2	88.1	88.3	88.3	88.3	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 1500	62.8	85.3	89.1	91.5	92.0	92.3	92.3	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 1200	63.1	86.3	91.0	93.5	94.1	94.5	94.6	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1000	63.2	86.8	91.6	94.4	95.4	96.0	96.1	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 900	63.2	87.0	91.9	94.7	95.8	96.5	96.6	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 800	63.3	87.2	92.3	95.3	96.6	97.2	97.3	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 700	63.3	87.4	92.8	95.3	97.3	98.1	98.2	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 600	63.3	87.4	92.8	95.3	97.4	98.2	98.4	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	63.3	87.4	92.8	95.3	97.5	98.3	98.5	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	63.3	87.4	92.8	95.3	97.6	98.4	98.6	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	63.3	87.4	92.8	95.3	97.6	98.4	98.6	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	63.3	87.4	92.8	95.3	97.6	98.4	98.6	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	63.3	87.4	92.8	95.3	97.6	98.4	98.6	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	63.3	87.4	92.8	95.3	97.6	98.4	98.6	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-85  
MONTH: MAY HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	36.0	43.4	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 20000	42.0	51.9	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 18000	42.0	51.9	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 16000	42.0	51.9	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 14000	42.3	52.3	52.9	53.3	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 12000	43.1	53.2	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 10000	45.9	57.0	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 9000	46.2	57.5	58.3	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 8000	48.7	61.5	62.7	63.3	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 7000	49.4	62.7	63.9	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 6000	50.1	63.6	64.9	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 5000	52.3	66.6	67.8	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 4500	54.2	68.8	70.1	70.5	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 4000	57.4	73.9	75.3	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 3500	59.2	77.2	78.9	79.3	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 3000	61.9	80.8	82.7	84.3	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 2500	63.9	84.4	86.7	88.5	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 2000	65.3	86.6	89.2	91.3	91.8	91.8	91.8	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1800	65.4	86.7	89.5	91.5	92.0	92.0	92.0	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1500	65.7	88.4	91.2	93.5	94.6	94.7	94.7	94.8	95.1	95.1	95.1	95.1	95.2	95.2	95.2
GE 1200	65.7	88.8	91.8	94.3	95.9	96.1	96.2	96.6	96.8	96.8	96.8	96.8	96.9	96.9	96.9
GE 1000	65.7	89.2	92.4	95.3	97.1	97.5	97.6	98.0	98.2	98.2	98.2	98.2	98.3	98.3	98.3
GE 900	65.7	89.5	92.6	95.5	97.3	97.7	97.8	98.2	98.4	98.4	98.4	98.4	98.5	98.5	98.5
GE 800	65.7	89.6	93.0	95.9	97.8	98.4	98.5	98.8	99.0	99.0	99.0	99.0	99.1	99.1	99.1
GE 700	65.7	89.6	93.2	96.1	98.2	98.7	98.8	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.5
GE 600	65.7	89.6	93.3	96.2	98.3	98.8	98.9	99.2	99.5	99.5	99.5	99.5	99.6	99.6	99.6
GE 500	65.7	89.6	93.3	96.3	98.4	98.9	99.0	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
GE 400	65.7	89.7	93.4	96.5	98.5	99.0	99.1	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 300	65.7	89.7	93.4	96.5	98.5	99.0	99.1	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 200	65.7	89.7	93.4	96.5	98.5	99.0	99.1	99.6	99.8	99.8	99.9	99.9	100.0	100.0	100.0
GE 100	65.7	89.7	93.4	96.5	98.5	99.0	99.1	99.6	99.8	99.8	99.9	99.9	100.0	100.0	100.0
GE 0	65.7	89.7	93.4	96.5	98.5	99.0	99.1	99.6	99.8	99.8	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAY HOURS(LST): 1900-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	44.0	52.0	52.5	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 20000	49.2	59.1	59.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 18000	49.5	59.3	59.9	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 16000	49.5	59.3	59.9	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 14000	49.6	59.7	60.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 12000	50.9	61.0	61.6	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 10000	53.4	64.6	65.4	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 9000	54.2	65.5	66.2	67.3	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 8000	56.5	69.6	70.4	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 7000	56.9	70.6	71.3	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 6000	58.2	72.4	73.2	74.3	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 5000	60.3	75.8	76.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 4500	62.2	78.2	79.3	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 4000	63.8	81.8	82.9	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 3500	65.1	84.3	85.3	87.2	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 3000	65.9	85.6	86.6	88.5	89.5	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.9
GE 2500	66.8	87.5	88.6	90.8	91.8	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2
GE 2000	67.1	88.9	90.2	92.5	93.5	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.3
GE 1800	67.1	89.1	90.4	92.3	94.0	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4
GE 1500	67.3	89.8	91.2	93.5	94.9	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4
GE 1200	67.3	90.0	91.6	94.4	96.1	96.2	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9
GE 1000	67.3	90.2	91.8	94.8	97.0	97.2	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1
GE 900	67.3	90.2	91.8	94.3	97.1	97.3	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4
GE 800	67.3	90.2	91.9	94.7	97.2	97.5	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.8
GE 700	67.3	90.4	92.3	95.4	97.6	98.0	98.6	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.2
GE 600	67.3	90.4	92.3	95.4	97.8	98.2	98.8	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.6
GE 500	67.3	90.6	92.6	95.7	98.2	98.5	99.1	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 400	67.3	90.6	92.6	95.7	98.2	98.5	99.1	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 300	67.3	90.6	92.6	95.7	98.2	98.5	99.1	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 200	67.3	90.6	92.6	95.7	98.2	98.5	99.1	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 100	67.3	90.6	92.6	95.7	98.2	98.5	99.1	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 0	67.3	90.6	92.6	95.7	98.2	98.5	99.1	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAY HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	49.8	55.2	56.1	56.6	57.0	57.0	57.0	57.0	57.0	57.2	57.2	57.2	57.3	57.3	57.3	57.3
GE 20000	53.2	59.7	61.3	61.3	62.1	62.1	62.1	62.1	62.1	62.4	62.4	62.4	62.5	62.5	62.5	62.5
GE 18000	53.3	59.8	61.4	61.4	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.6	62.6	62.6	62.6
GE 16000	53.3	60.0	61.6	62.1	62.5	62.5	62.5	62.5	62.5	62.7	62.7	62.7	62.8	62.8	62.8	62.8
GE 14000	53.3	60.0	61.7	62.4	62.7	62.7	62.7	62.7	62.7	62.9	62.9	62.9	63.0	63.0	63.0	63.0
GE 12000	54.4	61.2	63.0	63.6	64.0	64.0	64.0	64.0	64.0	64.2	64.2	64.2	64.3	64.3	64.3	64.3
GE 10000	57.5	65.3	67.1	67.9	68.4	68.4	68.4	68.4	68.4	68.6	68.6	68.6	68.7	68.7	68.7	68.7
GE 9000	57.8	65.7	67.5	68.3	68.8	68.8	68.8	68.8	68.8	69.0	69.0	69.0	69.1	69.1	69.1	69.1
GE 8000	60.1	69.1	71.0	71.8	72.4	72.4	72.4	72.4	72.4	72.6	72.6	72.6	72.7	72.7	72.7	72.7
GE 7000	60.8	70.3	72.3	73.1	73.7	73.7	73.7	73.7	73.7	73.9	73.9	73.9	74.0	74.0	74.0	74.0
GE 6000	62.9	72.7	74.6	75.5	76.1	76.1	76.1	76.1	76.1	76.3	76.3	76.3	76.4	76.4	76.4	76.4
GE 5000	65.2	75.9	78.2	79.3	79.9	79.9	79.9	79.9	79.9	80.2	80.2	80.2	80.3	80.3	80.3	80.3
GE 4500	66.9	78.0	80.4	81.7	82.3	82.3	82.3	82.3	82.3	82.5	82.5	82.5	82.6	82.6	82.6	82.6
GE 4000	68.4	80.3	82.8	84.5	85.2	85.2	85.2	85.2	85.2	85.4	85.4	85.4	85.5	85.5	85.5	85.5
GE 3500	69.8	82.2	84.8	86.6	87.6	87.6	87.6	87.6	87.6	87.8	87.8	87.8	87.9	87.9	87.9	87.9
GE 3000	70.6	83.7	86.3	88.3	89.5	89.5	89.5	89.5	89.5	89.8	89.8	89.8	89.9	89.9	89.9	89.9
GE 2500	71.0	85.2	88.0	90.2	91.4	91.4	91.5	91.5	91.5	91.7	91.7	91.7	91.8	91.8	91.8	91.8
GE 2000	71.5	86.1	89.0	91.2	92.7	92.7	92.8	92.8	92.8	93.0	93.0	93.0	93.1	93.1	93.1	93.1
GE 1800	71.6	86.2	89.1	91.3	92.9	92.9	93.0	93.0	93.0	93.2	93.2	93.2	93.3	93.3	93.3	93.3
GE 1500	72.1	86.7	89.9	92.0	93.7	93.9	94.0	94.0	94.2	94.4	94.4	94.4	94.5	94.5	94.5	94.5
GE 1200	72.2	87.1	90.5	92.7	94.5	94.6	94.7	94.7	94.9	95.1	95.1	95.1	95.3	95.3	95.3	95.3
GE 1000	72.5	87.7	91.2	93.5	95.6	95.7	96.1	96.2	96.4	96.7	96.7	96.7	96.8	96.8	96.8	96.8
GE 900	72.6	87.9	91.4	94.0	96.1	96.3	96.9	97.0	97.2	97.4	97.4	97.4	97.5	97.5	97.5	97.5
GE 800	72.6	88.0	91.5	94.3	96.7	96.9	97.4	97.5	97.7	98.0	98.0	98.0	98.1	98.1	98.1	98.1
GE 700	72.7	88.2	91.8	94.5	97.1	97.4	98.0	98.1	98.3	98.5	98.5	98.5	98.6	98.6	98.6	98.6
GE 600	72.7	88.2	91.8	94.5	97.3	98.1	98.6	98.7	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 500	72.7	88.6	92.1	94.9	97.6	98.6	99.1	99.2	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9
GE 400	72.7	88.6	92.1	94.9	97.7	98.7	99.2	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	72.7	88.6	92.1	94.9	97.7	98.7	99.2	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	72.7	88.6	92.1	94.9	97.7	98.7	99.2	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	72.7	88.6	92.1	94.9	97.7	98.7	99.2	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 0	72.7	88.6	92.1	94.9	97.7	98.7	99.2	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 76-85  
MONTH: MAY HOURS (LST): ALL

CEILING		VISIBILITY IN STATUTE MILES														
IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 1/8
NO CEIL	40.3	47.9	49.5	50.6	51.4	51.6	51.9	52.1	52.1	52.2	52.3	52.3	52.3	52.3	52.4	52.4
GE 20000	44.1	53.1	54.9	55.1	56.9	57.1	57.5	57.7	57.7	57.8	57.9	57.9	57.9	58.0	58.0	58.0
GE 18000	44.1	53.2	55.0	56.2	57.0	57.2	57.6	57.8	57.8	57.9	58.0	58.0	58.0	58.0	58.1	58.1
GE 16000	44.1	53.2	55.0	56.3	57.1	57.3	57.6	57.8	57.8	58.0	58.0	58.0	58.1	58.1	58.1	58.2
GE 14000	44.2	53.4	55.3	56.5	57.4	57.6	57.9	58.1	58.1	58.3	58.3	58.3	58.4	58.4	58.4	58.5
GE 12000	44.9	54.2	56.1	57.5	58.3	58.5	58.9	59.1	59.1	59.3	59.3	59.3	59.4	59.4	59.4	59.5
GE 10000	47.4	57.6	59.6	61.3	61.9	62.1	62.5	62.7	62.8	62.9	63.0	63.0	63.1	63.1	63.1	63.1
GE 9000	47.7	58.1	60.1	61.5	62.4	62.6	63.1	63.3	63.3	63.5	63.5	63.5	63.6	63.6	63.7	63.7
GE 8000	50.1	61.7	63.9	65.5	66.5	66.8	67.2	67.4	67.5	67.6	67.7	67.7	67.8	67.8	67.9	67.9
GE 7000	50.7	62.6	64.9	66.5	67.6	67.9	68.3	68.5	68.6	68.7	68.8	68.8	68.9	68.9	69.0	69.0
GE 6000	51.7	64.0	66.4	68.1	69.2	69.5	69.9	70.1	70.2	70.3	70.4	70.4	70.5	70.5	70.6	70.6
GE 5000	53.5	66.6	69.2	71.3	72.3	72.7	73.2	73.4	73.5	73.7	73.7	73.7	73.8	73.9	73.9	73.9
GE 4500	54.9	68.6	71.4	73.4	74.8	75.2	75.7	76.0	76.0	76.2	76.3	76.3	76.4	76.4	76.5	76.5
GE 4000	56.4	71.3	74.4	76.5	78.1	78.6	79.1	79.4	79.5	79.6	79.7	79.7	79.8	79.8	79.9	79.9
GE 3500	57.3	73.1	76.2	78.7	80.3	80.7	81.3	81.6	81.6	81.8	81.9	81.9	82.0	82.0	82.1	82.1
GE 3000	58.7	75.2	78.5	81.1	82.9	83.4	84.0	84.3	84.4	84.5	84.6	84.6	84.7	84.7	84.8	84.8
GE 2500	59.5	76.9	80.5	83.3	85.2	85.7	86.3	86.7	86.7	86.9	87.0	87.0	87.1	87.1	87.2	87.2
GE 2000	60.3	78.2	81.9	84.9	86.9	87.4	88.2	88.5	88.6	88.8	88.9	88.9	89.0	89.0	89.1	89.1
GE 1800	60.4	78.5	82.2	85.3	87.4	87.9	88.6	89.0	89.1	89.3	89.4	89.4	89.5	89.5	89.6	89.6
GE 1500	61.0	79.9	83.8	87.2	89.5	90.1	90.9	91.3	91.4	91.6	91.7	91.7	91.8	91.8	91.9	91.9
GE 1200	61.3	80.7	85.0	88.5	91.1	91.8	92.6	93.1	93.2	93.4	93.4	93.4	93.6	93.6	93.7	93.7
GE 1000	61.5	81.4	85.9	89.5	92.6	93.4	94.3	94.9	95.0	95.2	95.3	95.3	95.4	95.5	95.5	95.5
GE 900	61.6	81.6	86.2	90.3	93.1	93.9	94.9	95.5	95.6	95.8	95.9	95.9	96.0	96.0	96.1	96.1
GE 800	61.6	81.8	86.6	90.4	93.8	94.7	95.8	96.4	96.6	96.9	96.9	96.9	97.1	97.1	97.2	97.2
GE 700	61.6	82.0	87.0	90.7	94.5	95.5	96.7	97.4	97.6	97.8	97.9	97.9	98.0	98.0	98.1	98.1
GE 600	61.6	82.1	87.1	91.1	94.8	96.0	97.4	98.1	98.3	98.5	98.6	98.6	98.8	98.8	98.8	98.9
GE 500	61.7	82.3	87.3	91.3	95.2	96.4	97.8	98.5	98.7	99.1	99.2	99.2	99.4	99.4	99.4	99.5
GE 400	61.7	82.3	87.3	91.4	95.3	96.5	97.9	98.7	99.0	99.3	99.4	99.4	99.6	99.6	99.7	99.7
GE 300	61.7	82.3	87.3	91.4	95.3	96.5	97.9	98.7	99.0	99.4	99.5	99.5	99.7	99.7	99.8	99.8
GE 200	61.7	82.3	87.3	91.4	95.3	96.5	97.9	98.7	99.0	99.4	99.5	99.5	99.7	99.8	99.8	99.9
GE 100	61.7	82.3	87.3	91.4	95.3	96.5	97.9	98.7	99.0	99.4	99.5	99.5	99.7	99.8	99.9	99.9
GE 0	61.7	82.3	87.3	91.4	95.3	96.5	97.9	98.7	99.0	99.4	99.5	99.5	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 7435

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUN HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	45.3	56.1	58.7	62.0	63.6	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3
GE 20000	48.1	61.4	64.7	68.1	70.2	70.7	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2
GE 18000	48.1	61.4	64.7	68.1	70.2	70.7	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2
GE 16000	48.1	61.4	64.7	68.1	70.2	70.7	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2
GE 14000	48.4	61.8	65.0	68.4	70.6	71.0	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.6	71.6
GE 12000	49.0	62.7	66.1	69.7	71.8	72.2	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8
GE 10000	51.2	66.4	69.9	73.7	76.2	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2
GE 9000	51.2	66.6	70.1	73.9	76.4	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.4
GE 8000	53.0	69.2	73.3	77.3	80.0	80.4	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0	81.0
GE 7000	53.2	69.6	73.7	77.3	80.4	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4
GE 6000	53.9	70.2	74.3	78.4	81.3	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3	82.3
GE 5000	54.9	71.7	76.1	80.2	83.4	84.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.6	84.6
GE 4500	56.0	73.7	78.1	82.2	85.8	86.4	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.0
GE 4000	57.3	76.3	80.9	85.4	89.6	90.2	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.9	90.9
GE 3500	57.7	77.1	81.7	86.4	90.7	91.3	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	92.0	92.0
GE 3000	58.6	78.9	83.6	88.7	93.2	93.9	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.6	94.6
GE 2500	58.8	79.6	84.2	89.3	93.9	94.6	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.2	95.2
GE 2000	59.0	80.2	84.9	90.0	94.7	95.3	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	96.0	96.0
GE 1800	59.0	80.2	84.9	90.0	94.7	95.3	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	96.0	96.0
GE 1600	59.0	80.6	85.2	90.4	95.1	95.8	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.4	96.4
GE 1200	59.1	81.0	85.8	91.1	95.8	96.4	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.1	97.1
GE 1000	59.2	81.4	86.3	91.7	96.3	97.0	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.8	97.8
GE 900	59.2	81.4	86.3	91.7	96.3	97.0	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.8	97.8
GE 800	59.2	81.6	86.4	91.3	96.4	97.2	97.7	97.8	97.8	97.9	97.9	97.9	97.9	97.9	98.0	98.0
GE 700	59.3	81.7	86.6	91.9	96.7	97.4	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.2	98.2
GE 600	59.3	81.7	86.6	91.9	96.8	97.6	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.3	98.3
GE 500	59.3	81.8	86.9	92.4	97.4	98.2	98.7	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.1	99.1
GE 400	59.3	81.8	86.9	92.5	97.8	98.6	99.0	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.4	99.4
GE 300	59.3	81.8	86.9	92.5	97.8	98.6	99.0	99.1	99.1	99.3	99.3	99.3	99.3	99.6	99.7	99.7
GE 200	59.3	81.8	86.9	92.5	97.8	98.6	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.7	99.7	99.8
GE 100	59.3	81.8	86.9	92.5	97.8	98.6	99.0	99.2	99.2	99.4	99.4	99.4	99.7	99.7	99.8	99.8
GE 0	59.3	81.8	86.9	92.5	97.8	98.6	99.0	99.2	99.2	99.4	99.4	99.4	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUN HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	33.9	44.3	47.2	51.1	57.2	58.4	59.8	60.3	60.4	60.7	60.8	60.8	60.8	60.8	60.9	60.9
GE 20000	35.4	47.0	50.6	55.4	61.8	63.3	64.9	65.4	65.7	65.9	66.0	66.0	66.0	66.1	66.2	66.2
GE 18000	35.4	47.0	50.6	55.4	61.8	63.3	64.9	65.4	65.7	65.9	66.0	66.0	66.0	66.1	66.2	66.2
GE 16000	35.7	47.3	50.9	55.8	62.1	63.7	65.2	65.8	66.0	66.2	66.3	66.3	66.4	66.4	66.6	66.6
GE 14000	35.7	47.4	51.0	55.9	62.2	63.8	65.3	65.9	66.1	66.3	66.4	66.4	66.4	66.6	66.7	66.7
GE 12000	36.1	48.6	52.1	57.1	63.6	65.1	66.7	67.2	67.4	67.7	67.8	67.8	67.9	67.9	68.0	68.0
GE 10000	37.7	50.6	54.4	59.7	66.2	68.2	69.9	70.4	70.7	70.9	71.0	71.0	71.1	71.1	71.2	71.2
GE 9000	38.1	51.0	54.9	60.1	66.7	68.7	70.3	70.9	71.1	71.3	71.4	71.4	71.4	71.6	71.7	71.7
GE 8000	40.1	54.1	58.3	63.5	70.6	72.6	74.2	74.9	75.1	75.3	75.4	75.4	75.6	75.6	75.7	75.7
GE 7000	40.7	54.8	59.2	64.5	71.7	73.8	75.4	76.1	76.3	76.6	76.7	76.7	76.8	76.8	76.9	76.9
GE 6000	41.4	56.0	60.7	66.1	73.2	75.3	77.0	77.7	77.9	78.1	78.2	78.2	78.3	78.3	78.4	78.4
GE 5000	42.1	56.7	61.6	67.3	74.8	76.9	78.8	79.4	79.7	80.0	80.1	80.1	80.2	80.2	80.3	80.3
GE 4500	43.4	58.3	63.3	69.1	76.7	78.8	80.7	81.6	81.8	82.1	82.2	82.2	82.3	82.3	82.4	82.4
GE 4000	44.1	60.0	65.0	71.2	79.4	81.8	83.7	84.6	84.8	85.1	85.2	85.2	85.3	85.3	85.4	85.4
GE 3500	44.8	60.8	65.8	72.3	80.4	82.8	84.8	85.7	85.9	86.2	86.3	86.3	86.4	86.4	86.6	86.6
GE 3000	45.3	61.8	67.4	74.2	83.1	85.6	87.9	88.8	89.0	89.7	89.8	89.8	89.9	89.9	90.0	90.0
GE 2500	45.9	62.6	68.3	75.1	84.1	86.6	88.9	89.8	90.0	90.7	90.8	90.8	90.9	90.9	91.0	91.0
GE 2000	46.0	63.3	69.2	76.1	85.3	87.8	90.1	91.1	91.3	92.1	92.2	92.2	92.3	92.3	92.4	92.4
GE 1800	46.1	63.4	69.3	76.2	85.4	87.9	90.2	91.2	91.6	92.3	92.4	92.4	92.6	92.6	92.7	92.7
GE 1500	46.6	64.3	70.2	77.1	86.4	89.0	91.4	92.4	92.8	93.6	93.7	93.7	93.8	93.8	93.9	93.9
GE 1200	46.9	64.9	70.8	77.9	87.2	89.8	92.2	93.2	93.6	94.3	94.4	94.4	94.6	94.6	94.7	94.7
GE 1000	47.1	65.6	71.7	79.4	88.9	91.7	94.1	95.1	95.4	96.2	96.3	96.3	96.4	96.4	96.6	96.6
GE 900	47.1	65.6	71.8	79.5	89.0	91.8	94.6	95.6	95.9	96.7	96.8	96.8	96.9	96.9	97.0	97.0
GE 800	47.1	65.6	71.9	79.5	89.4	92.4	95.2	96.2	96.6	97.3	97.4	97.4	97.6	97.6	97.7	97.7
GE 700	47.1	65.6	71.9	79.5	89.4	92.4	95.2	96.2	96.6	97.3	97.4	97.4	97.6	97.6	97.7	97.7
GE 600	47.1	65.6	71.9	79.5	89.8	92.6	95.6	96.6	96.9	97.8	97.9	97.9	98.0	98.0	98.1	98.1
GE 500	47.1	65.7	72.0	79.9	90.0	93.1	95.9	96.9	97.2	98.1	98.2	98.2	98.3	98.3	98.4	98.4
GE 400	47.1	65.7	72.0	79.9	90.1	93.2	96.0	97.1	97.6	98.4	98.6	98.6	98.7	98.7	98.8	98.8
GE 300	47.1	65.7	72.0	79.9	90.1	93.2	96.4	97.6	98.0	98.9	99.0	99.0	99.1	99.1	99.3	99.3
GE 200	47.1	65.7	72.0	79.9	90.1	93.2	96.4	97.6	98.0	98.9	99.0	99.0	99.1	99.1	99.3	99.3
GE 100	47.1	65.7	72.0	79.9	90.1	93.2	96.4	97.6	98.0	99.0	99.1	99.1	99.2	99.2	99.4	99.4
GE 0	47.1	65.7	72.0	79.9	90.1	93.2	96.4	97.6	98.0	99.0	99.1	99.1	99.2	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUN HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	22.6	40.4	44.3	48.3	52.8	54.3	55.7	56.0	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.3
GE 20000	23.4	43.8	48.3	52.8	58.2	59.8	61.3	61.7	61.9	62.0	62.0	62.0	62.1	62.2	62.2	62.2
GE 18000	23.4	43.9	48.4	52.9	58.3	59.9	61.4	61.8	62.0	62.1	62.1	62.1	62.2	62.3	62.3	62.3
GE 16000	23.4	44.0	48.7	53.1	58.6	60.1	61.7	62.0	62.2	62.3	62.3	62.3	62.4	62.6	62.6	62.6
GE 14000	23.7	44.2	48.9	53.3	59.4	61.0	62.6	62.9	63.1	63.2	63.2	63.2	63.3	63.4	63.4	63.4
GE 12000	24.6	45.7	50.7	55.4	61.7	63.2	65.0	65.3	65.6	65.7	65.7	65.7	65.8	65.9	65.9	65.9
GE 10000	25.6	47.2	52.3	57.2	63.4	65.2	67.1	67.4	67.9	68.0	68.1	68.1	68.2	68.3	68.3	68.3
GE 9000	25.9	47.6	52.8	57.3	64.0	65.8	67.7	68.0	68.4	68.6	68.7	68.7	68.8	68.9	68.9	68.9
GE 8000	27.6	50.8	56.4	62.3	68.8	71.0	72.9	73.2	73.7	73.9	74.0	74.0	74.1	74.2	74.2	74.2
GE 7000	28.6	52.2	58.0	63.7	70.6	72.9	74.9	75.4	75.9	76.1	76.2	76.2	76.3	76.4	76.4	76.4
GE 6000	28.9	53.0	58.9	64.9	71.8	74.1	76.1	76.7	77.1	77.3	77.4	77.4	77.6	77.7	77.7	77.7
GE 5000	29.6	54.1	60.3	66.5	73.9	76.2	78.4	79.0	79.4	79.7	79.9	79.9	80.0	80.1	80.1	80.1
GE 4500	30.3	55.8	62.1	68.3	75.8	78.1	80.4	81.2	81.8	82.1	82.4	82.4	82.6	82.7	82.7	82.7
GE 4000	30.7	57.1	63.8	70.5	78.6	81.0	83.4	84.3	84.9	85.2	85.6	85.6	85.7	85.8	85.8	85.9
GE 3500	30.8	57.2	63.9	70.3	78.9	81.4	84.0	84.9	85.4	85.8	86.1	86.1	86.2	86.3	86.3	86.4
GE 3000	30.8	57.7	64.7	71.3	80.0	82.9	85.7	86.6	87.1	87.6	87.9	87.9	88.0	88.1	88.1	88.2
GE 2500	31.1	58.2	65.6	72.3	81.1	84.0	86.8	87.7	88.2	88.7	89.0	89.0	89.1	89.2	89.2	89.3
GE 2000	31.4	59.3	66.8	74.3	82.6	85.4	88.3	89.2	89.8	90.2	90.6	90.6	90.7	90.8	90.8	90.9
GE 1800	31.4	59.3	66.8	74.3	82.6	85.6	88.4	89.3	89.9	90.3	90.7	90.7	90.8	90.9	90.9	91.0
GE 1500	31.6	59.7	67.2	74.9	83.4	86.6	89.9	90.8	91.3	91.8	92.1	92.1	92.2	92.3	92.3	92.4
GE 1200	31.6	59.9	67.6	75.3	84.0	87.3	90.7	91.6	92.1	92.6	92.9	92.9	93.0	93.1	93.1	93.2
GE 1000	31.7	60.1	67.8	76.3	85.1	88.7	92.0	93.0	93.6	94.0	94.6	94.6	94.7	94.8	94.8	94.9
GE 900	31.9	60.4	68.2	76.7	85.8	89.7	93.0	94.1	94.7	95.1	95.7	95.7	95.8	95.9	95.9	96.0
GE 800	31.9	60.8	68.7	77.2	86.7	90.7	94.0	95.1	95.7	96.1	96.7	96.7	96.8	96.9	96.9	97.0
GE 700	31.9	60.8	68.7	77.2	86.9	91.0	94.4	95.6	96.1	96.6	97.1	97.1	97.2	97.3	97.3	97.4
GE 600	31.9	60.8	68.7	77.2	87.0	91.1	94.6	95.7	96.2	96.7	97.2	97.2	97.3	97.4	97.4	97.6
GE 500	31.9	60.9	69.0	77.5	87.3	91.6	95.4	96.8	97.3	97.8	98.3	98.3	98.6	98.7	98.7	99.1
GE 400	31.9	60.9	69.0	77.6	87.3	91.6	95.4	96.8	97.3	97.8	98.3	98.3	98.6	98.7	98.7	99.1
GE 300	31.9	60.9	69.0	77.6	87.3	91.6	95.4	96.9	97.4	97.9	98.4	98.4	98.7	98.8	98.8	99.2
GE 200	31.9	60.9	69.0	77.6	87.3	91.6	95.4	97.0	97.6	98.1	98.7	98.7	99.1	99.2	99.2	99.7
GE 100	31.9	60.9	69.0	77.6	87.3	91.6	95.4	97.0	97.6	98.1	98.7	98.7	99.1	99.2	99.2	99.8
GE 0	31.9	60.9	69.0	77.6	87.3	91.6	95.4	97.0	97.6	98.1	98.7	98.7	99.1	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUN HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	30.2	50.8	53.4	55.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	
GE 20000	32.8	56.4	59.8	62.3	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	
GE 18000	32.8	56.6	60.2	62.4	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	
GE 16000	32.8	56.6	60.2	62.4	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	
GE 14000	33.3	57.2	60.9	63.1	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	
GE 12000	33.7	58.2	62.2	65.3	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	
GE 10000	34.2	60.0	64.1	67.3	69.0	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	
GE 9000	34.4	60.2	64.3	67.3	69.3	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	
GE 8000	35.6	63.1	67.8	71.3	73.1	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	
GE 7000	37.2	65.7	70.3	73.6	75.7	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
GE 6000	37.9	66.7	71.4	74.3	76.9	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	
GE 5000	38.6	68.4	73.3	76.9	79.1	79.2	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	
GE 4500	39.3	69.7	74.7	78.3	80.6	80.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	
GE 4000	40.1	70.9	76.3	80.3	82.6	82.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	
GE 3500	40.4	72.0	77.6	81.6	83.9	84.0	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	
GE 3000	41.1	73.9	79.6	83.5	86.0	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	
GE 2500	41.6	74.7	80.7	84.3	87.2	87.3	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	
GE 2000	41.9	75.8	82.1	86.3	88.9	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	
GE 1800	41.9	75.9	82.3	86.5	89.3	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	
GE 1500	42.4	77.3	84.0	89.1	92.2	92.6	93.3	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	
GE 1200	42.6	78.2	85.0	90.2	93.4	93.8	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	
GE 1000	42.6	78.3	85.1	91.1	94.6	95.0	96.1	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	
GE 900	42.6	78.4	85.3	91.7	95.1	95.6	96.8	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	
GE 800	42.7	78.9	85.8	92.2	95.8	96.2	97.6	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	
GE 700	42.7	78.9	86.2	92.8	96.3	97.1	98.4	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 600	42.7	79.0	86.3	92.9	96.4	97.3	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 500	42.7	79.0	86.4	93.1	97.0	98.0	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
GE 400	42.7	79.0	86.4	93.1	97.0	98.1	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	42.7	79.0	86.4	93.1	97.0	98.1	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	42.7	79.0	86.4	93.1	97.0	98.1	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	42.7	79.0	86.4	93.1	97.0	98.1	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 0	42.7	79.0	86.4	93.1	97.0	98.1	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUN HOURS (LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	33.7	47.3	49.0	49.7	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 20000	37.6	53.6	56.0	56.7	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 18000	37.7	54.0	56.4	57.1	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 16000	37.7	54.0	56.4	57.1	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 14000	37.8	54.1	56.7	57.3	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 12000	38.7	56.2	59.0	59.3	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 10000	40.0	59.7	62.6	63.8	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 9000	40.3	60.3	63.2	64.4	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 8000	42.7	64.4	67.3	68.5	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 7000	43.7	66.0	68.9	70.1	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 6000	43.9	66.4	69.4	70.7	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 5000	44.7	68.4	71.9	73.3	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 4500	45.2	69.3	72.9	74.3	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 4000	47.0	73.0	76.8	78.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 3500	48.6	76.7	80.6	82.9	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 3000	50.1	80.2	84.6	87.3	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 2500	50.9	81.9	86.6	89.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 2000	51.4	83.8	88.8	91.4	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1800	51.4	83.8	88.9	91.7	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1500	52.0	85.1	90.6	93.7	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1200	52.1	85.8	91.6	94.3	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1000	52.1	86.0	91.6	95.3	98.2	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 900	52.1	86.2	92.1	95.7	98.7	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	52.1	86.2	92.2	95.9	99.0	99.3	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	52.1	86.2	92.2	95.9	99.0	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	52.1	86.2	92.2	95.9	99.0	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	52.1	86.2	92.2	95.9	99.0	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	52.1	86.2	92.2	95.9	99.0	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	52.1	86.2	92.2	95.9	99.0	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	52.1	86.2	92.2	95.9	99.0	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	52.1	86.2	92.2	95.9	99.0	99.4	99.6	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 0	52.1	86.2	92.2	95.9	99.0	99.4	99.6	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUN HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	37.0	46.3	47.8	48.9	49.0	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 20000	41.4	54.6	56.7	58.3	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 18000	41.6	54.7	56.8	58.1	58.3	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 16000	41.7	54.8	56.9	58.2	58.4	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 14000	41.8	55.0	57.1	58.4	58.7	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 12000	42.9	56.9	59.0	60.3	60.6	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 10000	44.2	59.9	62.6	64.2	64.4	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 9000	44.4	60.9	63.6	65.3	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 8000	46.8	63.8	66.4	68.4	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 7000	47.1	64.3	67.0	69.3	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 6000	47.9	65.9	68.8	70.9	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 5000	49.7	69.2	72.4	75.3	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 4500	50.8	72.1	75.4	78.3	78.2	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 4000	53.4	76.7	80.6	83.5	84.1	84.2	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.6	84.6
GE 3500	54.4	79.3	84.1	87.9	88.4	88.6	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9
GE 3000	57.6	83.3	88.4	92.7	93.3	93.4	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
GE 2500	58.3	85.0	90.4	94.9	95.6	95.7	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0
GE 2000	59.1	86.4	92.0	96.5	97.2	97.3	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
GE 1800	59.1	86.4	92.0	96.7	97.3	97.4	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8
GE 1500	59.3	87.2	92.8	97.5	98.2	98.4	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 1200	59.3	87.2	92.8	97.5	98.2	98.8	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	59.7	87.7	93.2	98.3	98.7	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	59.7	87.7	93.2	98.3	98.8	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	59.7	87.7	93.2	98.3	98.8	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	59.8	87.8	93.3	98.3	99.1	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	59.8	87.8	93.3	98.3	99.1	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	59.8	87.8	93.3	98.3	99.1	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	59.8	87.8	93.3	98.3	99.1	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	59.8	87.8	93.3	98.3	99.1	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	59.8	87.8	93.3	98.3	99.1	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	59.8	87.8	93.3	98.3	99.1	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 0	59.8	87.8	93.3	98.3	99.1	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUN HOURS(EST): 1800-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CELL	44.2	56.0	58.6	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 20000	49.6	64.6	67.6	68.3	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 18000	49.9	64.9	68.0	69.2	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 16000	50.0	65.0	68.1	69.3	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 14000	50.6	65.6	68.7	69.9	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 12000	51.4	66.7	69.8	71.3	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 10000	53.7	70.7	73.8	75.2	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 9000	54.0	71.4	74.6	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 8000	57.0	75.4	78.7	80.1	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 7000	57.6	76.6	79.8	81.3	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 6000	58.3	77.3	80.7	82.3	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 5000	60.1	80.1	84.0	86.2	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 4500	60.8	82.2	86.2	88.5	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 4000	61.7	84.6	88.7	91.1	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 3500	62.1	85.2	89.8	92.3	93.9	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 3000	63.0	86.4	91.2	93.9	95.4	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 2500	63.2	87.1	92.0	94.3	96.4	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2000	63.2	87.6	92.4	95.2	97.0	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1800	63.3	87.7	92.6	95.3	97.1	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1500	63.6	88.0	92.9	95.7	97.4	98.1	98.2	98.3	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	63.6	88.2	93.1	95.9	97.8	98.4	98.6	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	63.6	88.4	93.4	96.2	98.1	98.8	98.9	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	63.6	88.6	93.6	96.3	98.2	98.9	99.0	99.2	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	63.6	88.6	93.7	96.3	98.4	99.1	99.2	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	63.6	88.6	93.7	96.3	98.4	99.1	99.2	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	63.6	88.6	93.7	96.3	98.4	99.1	99.2	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	63.6	88.6	93.7	96.3	98.4	99.1	99.2	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	63.6	88.6	93.7	96.3	98.4	99.1	99.2	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	63.6	88.6	93.7	96.3	98.4	99.1	99.2	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	63.6	88.6	93.7	96.3	98.4	99.1	99.2	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	63.6	88.6	93.7	96.3	98.4	99.1	99.2	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 01	63.6	88.6	93.7	96.3	98.4	99.1	99.2	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUN HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CLIL	46.1	58.4	60.4	62.3	62.6	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 20000	50.4	64.9	67.2	69.2	69.8	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 18000	50.4	64.9	67.2	69.2	69.8	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 16000	50.4	64.9	67.2	69.2	69.8	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 14000	50.8	65.2	67.6	69.5	70.1	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 12000	52.6	67.7	70.0	72.3	72.6	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 10000	54.2	71.3	73.7	75.7	76.7	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 9000	54.2	71.3	73.7	75.7	76.7	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 8000	56.4	74.2	76.6	78.7	79.7	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 7000	56.7	74.8	77.1	79.3	80.3	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 6000	57.4	76.0	78.4	80.9	81.9	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 5000	58.7	78.4	81.3	83.9	85.1	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 4500	59.0	79.3	82.6	85.3	86.7	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 4000	62.9	83.7	87.0	90.1	92.1	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 3500	63.0	84.3	88.1	91.2	93.2	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 3000	64.2	85.7	89.6	92.9	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 2500	64.8	86.6	90.6	93.9	96.3	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 2000	64.9	86.8	90.8	94.1	96.7	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1800	64.9	86.8	90.8	94.1	96.7	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1500	65.1	87.2	91.4	94.3	97.4	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	65.3	87.6	91.8	95.1	97.8	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	65.7	88.1	92.4	95.3	98.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	65.7	88.1	92.4	95.3	98.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	65.7	88.1	92.4	95.3	98.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	65.7	88.1	92.4	95.3	98.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	65.7	88.1	92.6	95.9	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	65.7	88.1	92.6	95.9	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	65.7	88.1	92.6	95.9	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	65.7	88.1	92.6	95.9	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	65.7	88.1	92.6	95.9	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	65.7	88.1	92.6	95.9	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 0	65.7	88.1	92.6	95.9	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUN HOURS(IST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	36.6	50.0	52.4	54.6	56.4	56.9	57.3	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 20000	39.8	55.8	58.8	61.4	63.5	64.0	64.5	64.6	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.8
GE 18000	39.9	55.9	59.0	61.5	63.7	64.2	64.7	64.8	64.9	64.9	64.9	64.9	64.9	65.0	65.0	65.0
GE 16000	40.0	56.0	59.1	61.7	63.8	64.3	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1
GE 14000	40.3	56.3	59.5	62.2	64.2	64.7	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5
GE 12000	41.1	57.8	61.1	63.3	66.0	66.6	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4
GE 10000	42.6	60.7	64.2	67.1	69.5	70.1	70.7	70.8	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0
GE 9000	42.8	61.2	64.6	67.5	70.0	70.6	71.2	71.3	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5
GE 8000	44.9	64.4	68.1	71.2	73.8	74.5	75.1	75.2	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4
GE 7000	45.6	65.5	69.3	72.4	75.0	75.8	76.3	76.5	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7
GE 6000	46.2	66.4	70.3	73.7	76.3	77.0	77.6	77.8	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0
GE 5000	47.3	68.4	72.6	76.2	79.0	79.8	80.4	80.6	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8
GE 4500	48.1	70.1	74.4	78.0	81.0	81.8	82.5	82.7	82.8	82.8	82.9	82.9	82.9	82.9	83.0	83.0
GE 4000	49.7	72.8	77.4	81.3	84.8	85.6	86.3	86.5	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.9
GE 3500	50.2	74.1	78.9	83.1	86.7	87.5	88.3	88.5	88.6	88.7	88.8	88.8	88.8	88.8	88.8	88.9
GE 3000	51.3	76.0	81.1	85.5	89.4	90.3	91.1	91.3	91.4	91.6	91.6	91.6	91.7	91.7	91.7	91.7
GE 2500	51.8	76.9	82.3	86.3	90.7	91.7	92.5	92.7	92.8	93.0	93.0	93.0	93.1	93.1	93.1	93.1
GE 2000	52.1	77.9	83.4	88.0	92.0	92.9	93.8	94.0	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4
GE 1800	52.2	77.9	83.4	88.1	92.1	93.1	93.9	94.2	94.3	94.5	94.5	94.5	94.6	94.6	94.6	94.6
GE 1500	52.4	78.7	84.3	89.2	93.4	94.4	95.3	95.6	95.7	95.9	96.0	96.0	96.0	96.1	96.1	96.1
GE 1200	52.6	79.1	84.8	89.7	94.0	95.1	96.0	96.3	96.4	96.6	96.7	96.7	96.7	96.7	96.8	96.8
GE 1000	52.7	79.5	85.2	90.4	94.8	96.0	97.0	97.3	97.4	97.6	97.7	97.7	97.8	97.8	97.8	97.8
GE 900	52.7	79.6	85.4	90.7	95.1	96.3	97.3	97.7	97.8	98.0	98.1	98.1	98.1	98.1	98.2	98.2
GE 800	52.7	79.7	85.5	90.9	95.4	96.7	97.7	98.1	98.2	98.4	98.5	98.5	98.6	98.6	98.6	98.6
GE 700	52.8	79.7	85.6	91.3	95.6	96.9	98.0	98.4	98.5	98.7	98.8	98.8	98.9	98.9	98.9	98.9
GE 600	52.8	79.7	85.7	91.1	95.7	97.0	98.1	98.5	98.6	98.9	99.0	99.0	99.0	99.0	99.1	99.1
GE 500	52.8	79.8	85.8	91.2	95.9	97.3	98.5	98.9	99.0	99.3	99.4	99.4	99.4	99.4	99.5	99.5
GE 400	52.8	79.8	85.8	91.2	96.0	97.4	98.5	98.9	99.1	99.4	99.5	99.5	99.5	99.5	99.6	99.6
GE 300	52.8	79.8	85.8	91.2	96.0	97.4	98.6	99.0	99.2	99.4	99.5	99.5	99.6	99.6	99.7	99.7
GE 200	52.8	79.8	85.8	91.2	96.0	97.4	98.6	99.0	99.2	99.5	99.6	99.6	99.7	99.7	99.8	99.8
GE 100	52.8	79.8	85.8	91.2	96.0	97.4	98.6	99.0	99.2	99.5	99.6	99.6	99.7	99.7	99.8	99.8
GE 0	52.8	79.8	85.8	91.2	96.0	97.4	98.6	99.0	99.2	99.5	99.6	99.6	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 7230

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUL HOURS(EST): 0000-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	40.1	52.9	57.0	60.5	63.9	64.5	65.2	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 20000	41.7	55.8	60.8	64.7	68.4	69.4	70.1	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.3
GE 18000	41.7	55.8	60.8	64.3	68.5	69.5	70.2	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4
GE 16000	41.7	55.8	60.8	64.3	68.5	69.5	70.2	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4
GE 14000	41.8	55.9	61.0	65.1	68.7	69.7	70.4	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6
GE 12000	41.9	56.1	61.4	65.5	69.5	70.5	71.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6
GE 10000	43.4	58.4	63.9	68.4	72.6	74.1	75.3	76.2	76.2	76.5	76.5	76.5	76.5	76.5	76.5
GE 9000	43.4	58.4	63.9	68.4	72.6	74.1	75.3	76.2	76.2	76.5	76.5	76.5	76.5	76.5	76.5
GE 8000	45.1	61.1	66.8	71.3	75.5	77.0	78.2	79.1	79.1	79.5	79.5	79.5	79.5	79.5	79.5
GE 7000	46.0	62.4	68.2	72.3	77.0	78.5	79.7	80.6	80.6	81.0	81.0	81.0	81.0	81.0	81.0
GE 6000	46.3	62.8	68.6	73.3	77.5	79.0	80.2	81.2	81.2	81.5	81.5	81.5	81.5	81.5	81.5
GE 5000	47.3	64.5	70.5	75.3	79.7	81.2	82.4	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7
GE 4500	47.5	65.5	72.0	76.9	81.5	83.0	84.2	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5
GE 4000	48.9	68.2	74.9	79.9	84.8	86.3	87.5	88.5	88.5	88.8	88.8	88.8	88.8	88.8	88.8
GE 3500	49.6	69.9	77.0	82.3	87.1	88.6	90.1	91.1	91.1	91.4	91.4	91.4	91.4	91.4	91.4
GE 3000	50.1	71.0	78.4	83.5	89.2	91.1	92.7	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0
GE 2500	50.3	71.7	79.1	84.3	90.0	91.8	93.4	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7
GE 2000	50.3	72.0	79.9	85.2	90.9	92.9	94.5	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8
GE 1800	50.3	72.0	79.9	85.2	90.9	92.9	94.5	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8
GE 1500	50.6	72.8	80.7	86.2	92.2	94.2	95.9	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2
GE 1200	50.6	73.3	81.1	87.3	93.0	95.3	97.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	50.6	73.7	81.9	87.5	93.8	96.1	97.8	98.8	98.8	99.1	99.2	99.2	99.2	99.2	99.2
GE 900	50.6	73.7	81.9	87.5	93.8	96.1	97.8	98.8	98.8	99.1	99.2	99.2	99.2	99.2	99.2
GE 800	50.6	73.8	82.0	87.5	93.9	96.2	98.0	98.9	98.9	99.4	99.5	99.5	99.5	99.5	99.5
GE 700	50.6	73.8	82.2	87.7	94.0	96.6	98.3	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8
GE 600	50.6	73.8	82.2	87.7	94.0	96.7	98.4	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9
GE 500	50.6	73.8	82.2	87.7	94.0	96.7	98.4	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9
GE 400	50.6	73.8	82.2	87.7	94.0	96.7	98.4	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0
GE 300	50.6	73.8	82.2	87.7	94.0	96.7	98.4	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	50.6	73.8	82.2	87.7	94.0	96.7	98.4	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	50.6	73.8	82.2	87.7	94.0	96.7	98.4	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0
GE 0	50.6	73.8	82.2	87.7	94.0	96.7	98.4	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF REF : 75-84  
MONTH: JU. HOURS (LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	36.6	50.0	52.4	54.5	56.4	56.9	57.3	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 20000	39.8	55.8	58.8	61.4	63.5	64.0	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.8	64.8	64.8
GE 18000	39.9	55.9	59.0	61.5	63.7	64.2	64.7	64.8	64.9	64.9	64.9	64.9	64.9	65.0	65.0	65.0
GE 16000	40.0	56.0	59.1	61.7	63.8	64.3	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1
GE 14000	40.3	56.3	59.5	62.0	64.2	64.7	65.2	65.3	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.5
GE 12000	41.1	57.8	61.1	63.3	66.0	66.6	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4
GE 10000	42.6	60.7	64.2	67.1	69.5	70.1	70.7	70.8	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0
GE 9000	42.8	61.2	64.6	67.5	70.0	70.6	71.2	71.3	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5
GE 8000	44.9	64.4	68.1	71.2	73.8	74.5	75.1	75.2	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4
GE 7000	45.6	65.5	69.3	72.4	75.0	75.8	76.3	76.5	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7
GE 6000	46.2	66.4	70.3	73.7	76.3	77.0	77.6	77.8	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0
GE 5000	47.3	68.4	72.6	76.2	79.0	79.8	80.4	80.6	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8
GE 4500	48.1	70.1	74.4	78.1	81.3	81.8	82.5	82.7	82.8	82.8	82.9	82.9	82.9	83.0	83.0	83.0
GE 4000	49.7	72.8	77.4	81.3	84.8	85.6	86.3	86.5	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.9
GE 3500	50.2	74.1	78.9	83.1	86.7	87.5	88.3	88.5	88.6	88.7	88.8	88.8	88.8	88.8	88.8	88.9
GE 3000	51.3	76.0	81.1	85.5	89.4	90.3	91.1	91.3	91.4	91.6	91.6	91.6	91.7	91.7	91.7	91.7
GE 2500	51.8	76.9	82.3	86.3	90.7	91.7	92.5	92.7	92.8	93.0	93.0	93.0	93.1	93.1	93.1	93.1
GE 2000	52.1	77.9	83.4	88.0	92.0	92.9	93.8	94.0	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4
GE 1800	52.2	77.9	83.4	88.1	92.1	93.1	93.9	94.2	94.3	94.5	94.5	94.5	94.6	94.6	94.6	94.6
GE 1500	52.4	78.7	84.3	89.2	93.4	94.4	95.3	95.6	95.7	95.9	96.0	96.0	96.0	96.1	96.1	96.1
GE 1200	52.6	79.1	84.8	89.7	94.0	95.1	96.0	96.3	96.4	96.6	96.7	96.7	96.7	96.7	96.8	96.8
GE 1000	52.7	79.5	85.2	90.4	94.8	96.0	97.0	97.3	97.4	97.6	97.7	97.7	97.8	97.8	97.8	97.8
GE 900	52.7	79.6	85.4	90.7	95.1	96.3	97.1	97.7	97.8	98.0	98.1	98.1	98.1	98.1	98.2	98.2
GE 800	52.7	79.7	85.5	90.9	95.4	96.7	97.7	98.1	98.2	98.4	98.5	98.5	98.6	98.6	98.6	98.6
GE 700	52.8	79.7	85.6	91.1	95.6	96.9	98.0	98.4	98.5	98.7	98.8	98.8	98.9	98.9	98.9	98.9
GE 600	52.8	79.7	85.7	91.1	95.7	97.0	98.1	98.5	98.6	98.9	99.0	99.0	99.0	99.0	99.1	99.1
GE 500	52.8	79.8	85.8	91.2	95.9	97.3	98.5	98.9	99.0	99.3	99.4	99.4	99.4	99.4	99.5	99.5
GE 400	52.8	79.8	85.8	91.2	96.0	97.4	98.6	98.9	99.1	99.4	99.5	99.5	99.5	99.5	99.6	99.6
GE 300	52.8	79.8	85.8	91.2	96.0	97.4	98.6	99.0	99.2	99.4	99.5	99.5	99.6	99.6	99.7	99.7
GE 200	52.8	79.8	85.8	91.2	96.0	97.4	98.6	99.0	99.2	99.5	99.6	99.6	99.7	99.7	99.8	99.8
GE 100	52.8	79.8	85.8	91.2	96.0	97.4	98.6	99.0	99.2	99.5	99.6	99.6	99.7	99.7	99.8	99.8
GE 0	52.8	79.8	85.8	91.2	96.0	97.4	98.6	99.0	99.2	99.5	99.6	99.6	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 7230

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUL HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	31.4	40.9	45.4	49.5	54.8	57.4	59.6	61.1	61.5	62.2	62.2	62.2	62.7	62.7	62.7	62.7	
GE 20000	32.9	43.3	48.3	53.2	58.8	61.7	64.0	65.6	66.0	66.9	67.1	67.1	67.6	67.6	67.6	67.6	
GE 18000	32.9	43.3	48.3	53.3	59.0	61.9	64.2	65.9	66.3	67.2	67.4	67.4	68.0	68.0	68.0	68.0	
GE 16000	32.9	43.3	48.3	53.3	59.0	61.9	64.2	65.9	66.3	67.2	67.4	67.4	68.0	68.0	68.0	68.0	
GE 14000	32.9	43.3	48.4	53.4	59.1	62.0	64.3	66.0	66.5	67.3	67.5	67.5	68.1	68.1	68.1	68.1	
GE 12000	33.4	44.3	49.4	54.5	60.2	63.1	65.5	67.2	67.6	68.5	68.8	68.8	69.4	69.4	69.4	69.4	
GE 10000	34.0	46.0	51.5	57.7	64.0	67.3	69.8	71.6	72.0	72.9	73.2	73.2	73.8	73.8	73.8	73.8	
GE 9000	34.3	46.3	51.8	58.1	64.3	67.6	70.1	71.9	72.4	73.2	73.5	73.5	74.1	74.1	74.1	74.1	
GE 8000	35.1	48.2	53.9	60.2	67.1	70.6	73.2	75.1	75.5	76.3	76.7	76.7	77.3	77.3	77.3	77.3	
GE 7000	35.8	49.2	55.3	61.8	68.9	72.5	75.1	76.9	77.3	78.2	78.5	78.5	79.1	79.1	79.1	79.1	
GE 6000	35.8	49.4	55.5	62.2	69.2	72.8	75.4	77.2	77.6	78.5	78.8	78.8	79.5	79.5	79.5	79.5	
GE 5000	37.1	51.7	58.0	64.7	72.4	76.0	78.7	80.5	81.0	81.9	82.3	82.3	82.9	82.9	82.9	82.9	
GE 4500	37.6	52.8	59.0	65.9	74.1	77.8	80.5	82.4	82.8	83.8	84.1	84.1	84.7	84.7	84.7	84.7	
GE 4000	38.4	54.3	60.6	67.3	76.7	81.1	84.0	85.9	86.3	87.4	87.7	87.7	88.4	88.4	88.4	88.4	
GE 3500	38.6	55.3	61.6	68.7	77.7	82.3	85.3	87.2	87.6	88.7	89.0	89.0	89.7	89.7	89.7	89.7	
GE 3000	39.1	56.3	63.1	70.5	80.1	84.9	88.3	90.2	90.6	91.7	92.0	92.0	92.7	92.7	92.7	92.7	
GE 2500	39.2	56.6	63.9	71.3	80.9	85.7	89.0	91.0	91.4	92.5	92.8	92.8	93.4	93.4	93.4	93.4	
GE 2000	39.2	57.0	64.2	71.5	81.3	86.1	89.5	91.4	91.8	92.9	93.2	93.2	93.9	93.9	93.9	93.9	
GE 1800	39.4	57.1	64.3	71.3	81.5	86.3	89.7	91.6	92.0	93.1	93.4	93.4	94.1	94.1	94.1	94.1	
GE 1500	39.7	57.7	64.9	72.5	82.5	87.5	90.9	92.8	93.2	94.3	94.6	94.6	95.3	95.3	95.3	95.3	
GE 1200	39.8	57.8	65.3	72.9	82.8	87.8	91.2	93.1	93.5	94.6	94.9	94.9	95.6	95.6	95.6	95.6	
GE 1000	39.8	58.2	65.7	73.3	83.5	88.8	92.2	94.2	94.6	95.7	96.0	96.0	96.7	96.7	96.7	96.7	
GE 900	39.8	58.3	65.8	73.4	83.9	89.1	92.5	94.5	94.9	96.0	96.3	96.3	97.0	97.0	97.0	97.0	
GE 800	39.8	58.3	65.9	73.5	84.1	89.5	92.8	94.8	95.3	96.3	96.7	96.7	97.3	97.3	97.3	97.3	
GE 700	39.8	58.3	65.9	74.3	84.6	90.1	93.5	95.6	96.0	97.1	97.4	97.4	98.1	98.1	98.1	98.1	
GE 600	39.8	58.4	66.1	74.3	85.2	90.6	94.1	96.1	96.6	97.6	98.0	98.0	98.6	98.6	98.6	98.6	
GE 500	39.8	58.4	66.3	74.5	85.4	91.0	94.5	96.6	97.0	98.1	98.4	98.4	99.0	99.0	99.0	99.0	
GE 400	39.8	58.4	66.5	74.5	85.5	91.1	94.7	96.8	97.2	98.3	98.6	98.6	99.2	99.2	99.2	99.2	
GE 300	39.8	58.4	66.5	74.5	85.5	91.1	94.7	96.8	97.2	98.6	98.9	98.9	99.6	99.6	99.6	99.6	
GE 200	39.8	58.4	66.5	74.5	85.5	91.1	94.7	96.8	97.2	98.6	98.9	98.9	99.6	99.6	99.6	99.7	
GE 100	39.8	58.4	66.5	74.5	85.5	91.1	94.7	96.8	97.2	98.6	98.9	98.9	99.6	99.6	99.6	99.7	
GE 0	39.8	58.4	66.5	74.5	85.5	91.1	94.7	96.8	97.2	98.6	98.9	98.9	99.6	99.6	99.6	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUL HOURS: 0100-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	1	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4
NO CEIL	22.8	38.6	42.8	46.9	52.2	55.3	57.1	59.4	60.0	60.4	60.8	60.8	60.9	61.3	61.0	61.3
GE 20000	23.9	41.3	45.9	50.4	56.3	59.7	61.7	64.5	65.3	65.7	66.0	66.0	66.1	66.2	66.2	66.2
GE 18000	23.9	41.8	46.5	51.3	57.0	60.4	62.5	65.3	66.0	66.5	66.8	66.8	66.9	67.0	67.0	67.3
GE 16000	23.9	41.8	46.5	51.3	57.0	60.4	62.5	65.3	66.0	66.5	66.8	66.8	66.9	67.3	67.3	67.3
GE 14000	23.9	42.0	46.8	51.3	57.3	60.8	62.8	65.6	66.3	66.8	67.1	67.1	67.2	67.3	67.3	67.3
GE 12000	23.9	42.7	47.4	52.5	58.4	61.8	64.0	66.8	67.5	68.2	68.6	68.6	68.7	68.8	68.8	68.8
GE 10000	23.9	43.3	48.3	53.4	60.2	64.0	66.3	69.1	69.9	70.5	71.0	71.0	71.1	71.2	71.2	71.2
GE 9000	24.0	43.4	48.4	53.5	60.3	64.1	66.5	69.2	70.0	70.6	71.1	71.1	71.1	71.2	71.3	71.3
GE 8000	24.9	45.6	50.6	56.5	63.7	67.6	70.1	73.2	74.0	74.7	75.2	75.2	75.3	75.4	75.4	75.4
GE 7000	25.3	46.1	51.4	57.3	64.7	68.7	71.3	74.4	75.2	75.9	76.3	76.3	76.5	76.6	76.6	76.6
GE 6000	25.3	46.6	52.3	58.3	65.8	69.8	72.5	75.7	76.5	77.2	77.6	77.6	77.7	77.8	77.8	77.8
GE 5000	25.3	47.5	53.4	59.7	67.5	71.7	74.5	78.0	78.7	79.5	79.9	79.9	80.0	80.1	80.1	80.1
GE 4500	25.8	48.5	54.4	60.5	68.7	72.9	75.7	79.1	79.9	80.6	81.1	81.1	81.2	81.3	81.3	81.3
GE 4000	26.0	49.1	55.3	61.9	70.8	75.1	78.3	82.0	82.8	83.5	84.0	84.0	84.1	84.2	84.2	84.2
GE 3500	26.0	49.7	55.9	62.5	71.4	75.8	79.0	82.8	83.5	84.3	84.7	84.7	84.8	84.9	84.9	84.9
GE 3000	26.3	50.8	57.2	63.9	73.1	77.8	81.2	84.9	85.7	86.9	87.3	87.3	87.4	87.5	87.5	87.5
GE 2500	26.3	51.3	58.0	64.7	74.4	79.4	82.8	86.6	87.3	88.6	89.0	89.0	89.1	89.2	89.2	89.2
GE 2000	26.3	51.7	58.6	65.5	75.4	80.4	84.2	88.0	88.7	90.0	90.4	90.4	90.5	90.6	90.6	90.6
GE 1800	26.5	52.0	58.9	65.9	75.9	81.0	84.7	88.5	89.2	90.5	91.0	91.0	91.1	91.2	91.2	91.2
GE 1500	27.0	52.8	59.9	67.1	77.5	82.8	86.8	90.6	91.5	92.8	93.2	93.2	93.3	93.4	93.4	93.4
GE 1200	27.1	53.0	60.2	67.4	78.3	83.7	87.6	91.5	92.4	93.7	94.1	94.1	94.2	94.3	94.3	94.3
GE 1000	27.1	53.1	60.3	67.5	78.5	84.3	88.4	92.3	93.1	94.4	94.8	94.8	94.9	95.1	95.1	95.1
GE 900	27.1	53.1	60.4	67.5	78.8	84.6	88.8	92.8	93.7	95.2	95.6	95.6	95.7	95.8	95.8	95.8
GE 800	27.2	53.3	60.8	68.1	79.2	85.2	89.4	93.3	94.2	95.7	96.1	96.1	96.2	96.3	96.3	96.3
GE 700	27.2	53.7	61.2	68.5	79.8	85.7	90.0	94.1	95.1	96.6	97.0	97.0	97.1	97.2	97.2	97.2
GE 600	27.2	53.7	61.3	68.7	80.1	86.2	90.8	94.9	95.9	97.4	97.8	97.8	98.1	98.2	98.2	98.2
GE 500	27.2	53.7	61.3	68.8	80.2	86.6	91.1	95.4	96.3	97.8	98.3	98.3	98.6	98.7	98.8	98.8
GE 400	27.2	53.7	61.3	68.8	80.2	86.6	91.1	95.7	96.7	98.2	98.6	98.6	98.9	99.0	99.1	99.1
GE 300	27.2	53.7	61.3	68.8	80.2	86.6	91.1	95.7	96.8	98.3	98.8	98.8	99.1	99.2	99.5	99.5
GE 200	27.2	53.7	61.3	68.8	80.2	86.6	91.1	95.7	96.8	98.3	98.8	98.8	99.1	99.2	99.5	99.8
GE 100	27.2	53.7	61.3	68.8	80.2	86.6	91.1	95.7	96.8	98.3	98.8	98.8	99.1	99.2	99.5	99.9
GE 0	27.2	53.7	61.3	68.8	80.2	86.6	91.1	95.7	96.8	98.3	98.8	98.8	99.1	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUL HOURS(IST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE J
NO CEIL	32.0	49.1	54.0	56.3	58.7	59.0	59.4	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 20000	33.8	54.0	59.4	62.5	64.5	64.9	65.4	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 18000	33.8	54.3	59.7	62.9	64.8	65.3	65.7	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 16000	33.8	54.3	59.7	62.9	64.9	65.4	65.8	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 14000	33.9	54.4	59.8	63.2	65.3	65.7	66.1	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 12000	33.9	55.1	60.8	64.2	66.2	66.7	67.1	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 10000	34.7	56.8	63.0	66.5	68.9	69.4	69.8	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 9000	34.8	57.1	63.3	66.9	69.2	70.0	70.4	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 8000	35.6	58.9	65.2	68.7	71.2	72.0	72.5	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 7000	35.8	59.2	65.6	69.5	72.0	72.9	73.3	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 6000	35.9	59.9	66.3	70.4	72.9	74.0	74.5	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 5000	36.1	60.9	67.4	71.5	74.2	75.3	75.8	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 4500	36.5	62.0	68.8	72.9	75.6	76.7	77.3	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 4000	36.7	64.0	71.1	75.3	78.4	79.5	80.2	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 3500	36.8	65.2	72.4	76.7	80.3	81.4	82.2	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 3000	38.2	67.5	75.5	80.3	84.3	85.4	86.1	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 2500	38.3	68.2	76.2	80.3	85.1	86.2	87.0	87.6	87.6	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 2000	38.5	69.2	77.6	83.3	87.7	89.0	89.8	90.4	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1800	38.5	69.2	77.6	83.3	87.7	89.1	89.9	90.5	90.5	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 1500	38.9	71.3	80.0	85.7	90.5	92.0	92.8	93.4	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1200	39.1	71.9	81.2	87.3	92.5	94.0	94.7	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1000	39.1	72.4	81.9	88.0	93.9	95.6	96.3	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 900	39.1	72.7	82.3	88.5	94.3	96.0	96.9	97.6	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 800	39.1	72.8	82.6	88.5	94.7	96.5	97.3	98.1	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	39.1	72.8	82.7	88.9	95.1	96.8	97.6	98.5	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	39.1	73.3	83.3	89.7	95.8	97.5	98.4	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	39.1	73.3	83.3	89.7	95.8	97.6	98.6	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	39.1	73.3	83.3	89.7	95.8	97.6	98.6	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	39.1	73.3	83.3	89.7	95.8	97.6	98.6	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	39.1	73.3	83.3	89.7	95.8	97.6	98.6	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	39.1	73.3	83.3	89.7	95.8	97.6	98.6	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	39.1	73.3	83.3	89.7	95.8	97.6	98.6	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUL HOURS(EST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	33.1	45.7	49.5	51.5	52.6	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 2000	37.7	53.4	57.6	60.2	61.3	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 1800	37.8	53.8	58.0	60.5	61.6	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 1600	37.8	53.8	58.1	60.5	61.7	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 1400	38.2	54.5	58.8	61.4	62.5	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 1200	38.4	55.2	59.7	62.3	63.3	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 1000	39.5	58.0	62.7	65.3	66.3	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 900	39.6	58.1	62.8	65.4	66.5	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 800	40.0	59.4	64.2	66.3	67.8	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 700	40.8	60.1	64.9	67.5	68.6	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 600	41.4	60.8	65.6	68.7	69.8	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 500	41.8	62.0	66.9	70.3	71.1	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 450	43.2	64.2	69.5	72.5	73.9	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 400	44.3	67.8	73.4	76.7	78.9	79.1	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 350	44.7	71.2	77.0	80.3	82.7	83.0	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 300	45.7	74.1	80.6	84.2	87.3	88.0	88.7	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 250	45.9	76.0	83.0	86.7	89.9	90.5	91.4	91.7	91.7	91.8	91.8	91.8	91.9	91.9	91.9	91.9
GE 200	46.2	77.4	85.2	88.9	92.4	93.0	93.9	94.2	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4
GE 180	46.2	77.6	85.5	89.4	92.8	93.4	94.3	94.6	94.6	94.7	94.7	94.7	94.8	94.8	94.8	94.8
GE 150	46.6	78.8	86.9	91.0	94.7	95.4	96.2	96.6	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8
GE 120	46.7	79.6	87.8	92.3	96.0	96.7	97.5	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2
GE 100	46.7	79.8	88.2	92.9	96.6	97.2	98.2	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9
GE 90	46.7	79.8	88.2	92.3	96.6	97.3	98.3	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1
GE 80	46.7	79.8	88.2	92.3	96.6	97.3	98.3	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1
GE 70	46.7	79.9	88.6	93.2	97.0	97.8	98.8	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 60	46.7	79.9	88.6	93.2	97.0	97.8	98.8	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 50	46.7	80.0	88.7	93.3	97.1	98.0	99.0	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 40	46.7	80.0	88.7	93.3	97.1	98.0	99.0	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 30	46.7	80.0	88.7	93.3	97.1	98.0	99.0	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 20	46.7	80.0	88.7	93.3	97.1	98.0	99.0	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 10	46.7	80.0	88.7	93.3	97.1	98.0	99.0	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 0	46.7	80.0	88.7	93.3	97.1	98.0	99.0	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUL HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE J
NO CEIL	29.8	41.9	46.5	48.3	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 20000	35.5	51.2	56.3	58.7	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 18000	35.8	51.6	56.8	59.1	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 16000	35.8	51.6	56.8	59.1	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 14000	35.9	52.3	57.4	59.3	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 12000	36.0	52.9	58.1	60.4	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 10000	38.4	57.3	62.6	64.9	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 9000	38.6	57.7	63.0	65.4	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 8000	40.4	61.1	66.6	69.1	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 7000	40.6	61.5	67.3	69.3	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 6000	40.9	61.9	67.7	70.3	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 5000	42.2	64.3	70.2	72.3	73.5	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 4500	42.7	66.1	72.6	75.2	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 4000	44.2	69.8	76.8	80.3	81.8	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 3500	45.2	72.5	80.2	84.3	85.8	86.5	86.9	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.2
GE 3000	47.0	75.3	83.7	88.4	90.5	91.5	91.9	92.3	92.3	92.4	92.4	92.4	92.5	92.5	92.5	92.5
GE 2500	47.7	77.3	85.9	90.3	93.1	94.1	94.5	94.8	94.8	95.1	95.2	95.2	95.4	95.4	95.4	95.4
GE 2000	48.0	78.5	87.2	92.3	94.6	95.8	96.3	96.7	96.7	97.0	97.1	97.1	97.4	97.4	97.4	97.4
GE 1800	48.0	78.5	87.2	92.3	94.6	95.8	96.3	96.7	96.7	97.0	97.1	97.1	97.4	97.4	97.4	97.4
GE 1500	48.1	79.0	87.7	92.3	95.6	96.8	97.6	98.0	98.0	98.3	98.5	98.5	98.8	98.8	98.8	98.8
GE 1200	48.1	79.0	87.7	92.3	95.9	97.2	98.1	98.4	98.4	98.7	98.9	98.9	99.2	99.2	99.2	99.2
GE 1000	48.1	79.0	87.7	93.1	96.1	97.4	98.3	98.6	98.6	98.9	99.1	99.1	99.5	99.5	99.5	99.5
GE 900	48.1	79.0	87.7	93.2	96.2	97.6	98.5	98.8	98.8	99.1	99.4	99.4	99.7	99.7	99.7	99.7
GE 800	48.1	79.1	87.8	93.4	96.5	97.8	98.7	99.0	99.0	99.4	99.6	99.6	99.9	99.9	99.9	99.9
GE 700	48.1	79.1	87.8	93.4	96.5	97.8	98.7	99.0	99.0	99.4	99.6	99.6	99.9	99.9	99.9	99.9
GE 600	48.1	79.1	87.8	93.4	96.5	97.8	98.7	99.0	99.0	99.4	99.6	99.6	99.9	99.9	99.9	99.9
GE 500	48.1	79.1	87.8	93.4	96.5	97.8	98.7	99.0	99.0	99.4	99.6	99.6	100.0	100.0	100.0	100.0
GE 400	48.1	79.1	87.8	93.4	96.5	97.8	98.7	99.0	99.0	99.4	99.6	99.6	100.0	100.0	100.0	100.0
GE 300	48.1	79.1	87.8	93.4	96.5	97.8	98.7	99.0	99.0	99.4	99.6	99.6	100.0	100.0	100.0	100.0
GE 200	48.1	79.1	87.8	93.4	96.5	97.8	98.7	99.0	99.0	99.4	99.6	99.6	100.0	100.0	100.0	100.0
GE 100	48.1	79.1	87.8	93.4	96.5	97.8	98.7	99.0	99.0	99.4	99.6	99.6	100.0	100.0	100.0	100.0
GE 0	48.1	79.1	87.8	93.4	96.5	97.8	98.7	99.0	99.0	99.4	99.6	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUL HOURS(IST): 1800-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	38.0	50.4	54.3	57.2	58.0	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 20000	42.7	57.8	62.7	65.9	66.9	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 18000	43.1	58.3	63.1	66.3	67.3	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 16000	43.1	58.3	63.1	66.3	67.3	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 14000	43.3	58.7	63.7	67.1	68.1	68.9	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 12000	43.8	60.1	65.3	68.3	69.8	70.6	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 10000	46.1	63.9	69.2	73.1	74.3	75.2	75.3	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7
GE 9000	46.2	64.0	69.4	73.2	74.4	75.3	75.4	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8
GE 8000	47.7	66.9	72.3	76.5	77.7	78.6	78.8	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2
GE 7000	48.2	67.3	72.7	76.9	78.2	79.0	79.2	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7
GE 6000	48.4	68.0	73.3	77.5	78.8	79.7	80.0	80.3	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5
GE 5000	49.4	69.4	74.9	79.4	80.6	81.5	81.8	82.2	82.2	82.3	82.5	82.5	82.5	82.5	82.5	82.5
GE 4500	49.6	70.8	76.5	81.2	82.6	83.4	83.9	84.2	84.2	84.3	84.5	84.5	84.5	84.5	84.5	84.5
GE 4000	51.3	74.7	81.4	86.3	88.2	89.0	89.5	89.8	89.8	89.9	90.1	90.1	90.1	90.1	90.1	90.1
GE 3500	51.4	76.1	83.1	88.5	90.9	91.7	92.4	92.7	92.7	92.8	93.0	93.0	93.0	93.0	93.0	93.0
GE 3000	51.9	77.2	84.6	90.4	93.1	94.2	94.8	95.2	95.2	95.4	95.6	95.6	95.7	95.7	95.7	95.7
GE 2500	51.9	77.7	85.6	91.5	94.2	95.6	96.3	96.8	96.8	97.0	97.2	97.2	97.3	97.3	97.3	97.3
GE 2000	52.2	78.2	86.1	92.3	94.9	96.5	97.4	97.8	97.8	98.1	98.3	98.3	98.4	98.4	98.4	98.4
GE 1800	52.2	78.2	86.1	92.3	94.9	96.5	97.4	97.8	97.8	98.1	98.3	98.3	98.4	98.4	98.4	98.4
GE 1500	52.2	78.3	86.2	92.3	95.6	97.1	98.1	98.5	98.5	98.7	98.9	98.9	99.1	99.1	99.1	99.1
GE 1200	52.3	78.5	86.5	92.5	95.9	97.4	98.4	98.8	98.8	99.0	99.2	99.2	99.5	99.5	99.5	99.5
GE 1000	52.3	78.5	86.6	92.7	96.1	97.6	98.6	99.0	99.0	99.2	99.5	99.5	99.7	99.7	99.7	99.7
GE 900	52.3	78.5	86.6	92.9	96.3	97.8	98.8	99.2	99.2	99.5	99.7	99.7	99.9	99.9	99.9	99.9
GE 800	52.3	78.5	86.6	92.9	96.5	98.0	98.9	99.4	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0
GE 700	52.3	78.5	86.6	92.9	96.5	98.0	98.9	99.4	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0
GE 600	52.3	78.5	86.6	92.9	96.5	98.0	98.9	99.4	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0
GE 500	52.3	78.5	86.6	92.9	96.5	98.0	98.9	99.4	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0
GE 400	52.3	78.5	86.6	92.9	96.5	98.0	98.9	99.4	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0
GE 300	52.3	78.5	86.6	92.9	96.5	98.0	98.9	99.4	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0
GE 200	52.3	78.5	86.6	92.9	96.5	98.0	98.9	99.4	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	52.3	78.5	86.6	92.9	96.5	98.0	98.9	99.4	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0
GE 0	52.3	78.5	86.6	92.9	96.5	98.0	98.9	99.4	99.4	99.6	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUL HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	42.3	55.4	58.4	61.4	64.0	64.3	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 20000	44.6	60.8	64.1	67.7	70.8	71.2	71.4	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 18000	44.7	60.9	64.3	68.3	71.0	71.4	71.6	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 16000	44.7	60.9	64.3	68.3	71.0	71.4	71.6	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 14000	44.8	61.0	64.4	68.1	71.2	71.7	71.9	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 12000	45.4	61.8	65.8	69.3	72.9	73.5	73.8	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 10000	47.7	65.8	69.8	74.3	77.3	78.3	78.5	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 9000	48.0	66.1	70.1	74.3	77.6	78.6	78.8	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 8000	49.0	68.6	72.6	77.1	80.6	81.6	81.8	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 7000	49.6	69.1	73.1	77.5	81.2	82.2	82.4	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 6000	49.7	69.6	73.7	78.2	81.9	82.9	83.1	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 5000	51.6	72.4	76.5	81.1	84.8	85.8	86.0	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 4500	52.3	74.2	78.4	83.3	87.1	88.1	88.3	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 4000	53.7	76.6	80.9	85.5	90.2	91.2	91.4	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 3500	54.4	77.7	82.0	87.1	91.9	92.9	93.1	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 3000	54.7	78.3	83.1	88.4	93.9	94.8	95.1	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 2500	55.1	79.0	84.0	89.5	95.2	96.2	96.5	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 2000	55.1	79.4	84.4	90.1	95.7	96.8	97.1	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1800	55.1	79.5	84.5	90.2	95.8	96.9	97.2	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1500	55.2	79.8	84.9	90.9	96.5	97.5	97.8	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1200	55.5	80.2	85.4	91.2	97.0	98.1	98.4	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	55.5	80.2	85.4	91.3	97.2	98.3	98.6	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7
GE 900	55.5	80.2	85.4	91.3	97.2	98.3	98.6	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7
GE 800	55.5	80.2	85.4	91.4	97.3	98.4	98.7	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 700	55.5	80.2	85.4	91.4	97.3	98.4	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 600	55.5	80.2	85.4	91.4	97.3	98.4	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 500	55.5	80.2	85.4	91.4	97.3	98.4	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 400	55.5	80.2	85.4	91.4	97.3	98.4	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 300	55.5	80.2	85.4	91.4	97.3	98.4	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 200	55.5	80.2	85.4	91.4	97.3	98.4	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 100	55.5	80.2	85.4	91.4	97.3	98.4	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 0	55.5	80.2	85.4	91.4	97.3	98.4	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: JUL HOURS(LOCAL): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	33.7	46.9	51.0	54.3	56.6	57.6	58.2	58.9	59.1	59.2	59.2	59.2	59.2	59.3	59.3	59.3
GE 20000	36.6	52.2	56.9	60.4	63.3	64.4	65.2	66.0	66.2	66.4	66.4	66.4	66.4	66.5	66.5	66.5
GE 18000	36.7	52.5	57.2	60.3	63.6	64.8	65.5	66.4	66.5	66.7	66.8	66.8	66.8	66.9	66.9	66.9
GE 16000	36.7	52.5	57.2	60.3	63.7	64.8	65.6	66.4	66.6	66.8	66.8	66.8	66.8	66.9	66.9	66.9
GE 14000	36.8	52.8	57.5	61.2	64.1	65.3	66.0	66.9	67.0	67.2	67.3	67.3	67.4	67.4	67.4	67.4
GE 12000	37.1	53.5	58.5	62.2	65.2	66.4	67.2	68.1	68.2	68.5	68.5	68.5	68.5	68.6	68.6	68.6
GE 10000	38.5	56.2	61.4	65.4	68.7	70.1	70.9	71.8	72.0	72.2	72.3	72.3	72.3	72.4	72.4	72.4
GE 9000	38.6	56.4	61.6	65.5	68.9	70.3	71.2	72.1	72.2	72.5	72.6	72.6	72.6	72.7	72.7	72.7
GE 8000	39.7	58.7	64.0	68.3	71.7	73.2	74.1	75.1	75.2	75.5	75.6	75.6	75.6	75.7	75.7	75.7
GE 7000	40.3	59.4	64.8	69.2	72.6	74.2	75.1	76.0	76.2	76.5	76.6	76.6	76.6	76.7	76.7	76.7
GE 6000	40.5	59.9	65.4	69.9	73.4	74.9	75.9	76.9	77.0	77.3	77.4	77.4	77.4	77.5	77.5	77.5
GE 5000	41.3	61.6	67.2	71.3	75.5	77.1	78.1	79.1	79.2	79.5	79.6	79.6	79.6	79.7	79.7	79.7
GE 4500	41.9	63.0	68.9	73.5	77.5	79.1	80.1	81.1	81.3	81.5	81.7	81.7	81.7	81.8	81.8	81.8
GE 4000	42.9	65.6	71.8	76.7	81.2	83.0	84.2	85.3	85.4	85.7	85.8	85.8	85.8	85.9	85.9	85.9
GE 3500	43.3	67.2	73.7	78.3	83.5	85.3	86.6	87.7	87.8	88.1	88.3	88.3	88.4	88.4	88.4	88.4
GE 3000	44.1	68.8	75.8	81.2	86.5	88.5	89.9	91.0	91.1	91.6	91.7	91.7	91.8	91.8	91.8	91.8
GE 2500	44.4	69.8	77.0	82.4	87.8	89.9	91.4	92.5	92.7	93.1	93.3	93.3	93.4	93.4	93.4	93.4
GE 2000	44.5	70.4	77.9	83.5	89.1	91.3	92.8	94.0	94.2	94.6	94.7	94.7	94.9	94.9	94.9	94.9
GE 1800	44.5	70.5	78.0	83.7	89.3	91.5	93.0	94.2	94.3	94.8	94.9	94.9	95.1	95.1	95.1	95.1
GE 1500	44.8	71.3	78.9	84.3	90.6	92.9	94.5	95.7	95.9	96.3	96.5	96.5	96.6	96.6	96.7	96.7
GE 1200	44.9	71.7	79.5	85.4	91.4	93.8	95.4	96.5	96.7	97.2	97.3	97.3	97.5	97.5	97.5	97.5
GE 1000	44.9	71.9	79.7	85.3	92.0	94.4	96.0	97.3	97.4	97.9	98.1	98.1	98.2	98.3	98.3	98.3
GE 900	44.9	71.9	79.8	85.3	92.1	94.6	96.3	97.5	97.7	98.2	98.4	98.4	98.5	98.6	98.6	98.6
GE 800	44.9	72.0	79.9	86.3	92.3	94.9	96.5	97.8	97.9	98.5	98.6	98.6	98.8	98.8	98.8	98.8
GE 700	44.9	72.0	80.0	86.3	92.6	95.1	96.8	98.1	98.3	98.8	99.0	99.0	99.2	99.2	99.2	99.2
GE 600	44.9	72.1	80.2	86.4	92.8	95.4	97.1	98.4	98.6	99.1	99.3	99.3	99.5	99.5	99.5	99.5
GE 500	44.9	72.1	80.2	86.5	92.8	95.5	97.3	98.6	98.8	99.3	99.4	99.4	99.7	99.7	99.7	99.7
GE 400	44.9	72.1	80.2	86.5	92.8	95.5	97.3	98.7	98.8	99.4	99.5	99.5	99.7	99.8	99.8	99.8
GE 300	44.9	72.1	80.2	86.5	92.8	95.5	97.3	98.7	98.9	99.4	99.6	99.6	99.8	99.8	99.9	99.9
GE 200	44.9	72.1	80.2	86.5	92.8	95.5	97.3	98.7	98.9	99.4	99.6	99.6	99.8	99.8	99.9	99.9
GE 100	44.9	72.1	80.2	86.5	92.8	95.5	97.3	98.7	98.9	99.4	99.6	99.6	99.8	99.8	99.9	99.9
GE 0	44.9	72.1	80.2	86.5	92.8	95.5	97.3	98.7	98.9	99.4	99.6	99.6	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: AUG HOURS(LOCAL): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	35.3	46.6	50.3	54.7	59.6	60.8	61.6	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 20000	37.6	50.5	55.5	60.2	65.6	67.4	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 18000	37.6	50.5	55.6	60.3	65.7	67.5	68.5	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 16000	37.6	50.5	55.6	60.3	65.7	67.5	68.5	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 14000	37.6	50.5	55.7	60.4	65.8	67.6	68.6	68.7	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 12000	38.0	51.1	56.2	61.3	66.3	68.2	69.1	69.2	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 10000	39.1	52.9	58.9	64.4	70.2	72.0	73.0	73.1	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 9000	39.2	53.1	59.1	64.7	70.5	72.4	73.3	73.4	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 8000	41.0	55.8	62.3	68.1	73.9	75.7	76.7	76.8	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 7000	41.3	56.1	62.9	68.3	74.7	76.6	77.5	77.6	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 6000	41.4	56.2	63.0	69.3	75.1	76.9	77.8	78.0	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 5000	42.3	58.0	65.1	71.4	77.6	79.5	80.4	80.5	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 4500	42.3	58.4	65.7	72.3	78.6	80.4	81.4	81.5	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 4000	44.0	61.6	70.0	77.2	83.7	85.7	86.7	86.8	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 3500	44.9	63.7	72.8	80.4	87.2	89.4	90.5	90.6	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 3000	45.8	65.4	75.4	83.1	90.0	92.2	93.4	93.5	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 2500	45.8	65.6	75.6	83.4	90.4	92.6	93.9	94.1	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 2000	45.8	65.9	75.9	83.8	90.8	92.9	94.4	94.6	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1800	45.8	66.0	76.0	83.9	90.9	93.1	94.6	94.8	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1500	45.9	66.7	76.7	84.5	91.6	94.1	95.6	95.9	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1200	46.0	66.9	77.0	85.2	92.3	94.7	96.2	96.6	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1000	46.2	67.2	77.4	85.5	92.9	95.5	97.0	97.3	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 900	46.2	67.2	77.4	85.5	92.9	95.5	97.0	97.3	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 800	46.3	67.4	77.6	85.3	93.2	95.8	97.5	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	46.5	67.5	77.7	85.3	93.3	95.9	97.6	98.0	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 600	46.5	67.5	77.7	85.3	93.3	95.9	97.6	98.0	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 500	46.5	67.7	78.0	86.1	93.7	96.2	98.0	98.3	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	46.5	67.7	78.0	86.1	93.7	96.2	98.0	98.3	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1
GE 300	46.5	67.7	78.0	86.1	93.7	96.2	98.0	98.4	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2
GE 200	46.5	67.7	78.0	86.1	93.7	96.2	98.0	98.4	98.8	99.1	99.5	99.5	99.5	99.5	99.5	99.5
GE 100	46.5	67.7	78.0	86.1	93.7	96.2	98.0	98.4	98.8	99.1	99.5	99.5	99.5	99.5	99.5	99.5
GE 0	46.5	67.7	78.0	86.1	93.7	96.2	98.0	98.4	98.8	99.1	99.5	99.5	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: AUG HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	25.9	36.0	40.6	45.2	50.6	55.3	57.3	58.3	58.8	59.0	59.0	59.1	59.1	59.1	59.2	59.2
GE 20000	27.6	39.1	44.3	49.5	56.1	61.7	64.1	65.2	65.9	66.1	66.1	66.2	66.3	66.3	66.5	66.5
GE 18000	27.6	39.1	44.3	49.5	56.2	61.8	64.2	65.3	66.0	66.2	66.2	66.3	66.5	66.5	66.6	66.6
GE 16000	27.6	39.1	44.3	49.5	56.2	61.8	64.2	65.3	66.0	66.2	66.2	66.3	66.5	66.5	66.6	66.6
GE 14000	27.7	39.2	44.4	49.7	56.5	62.0	64.5	65.7	66.5	66.7	66.7	66.8	66.9	66.9	67.0	67.0
GE 12000	28.1	39.8	45.1	50.4	57.4	63.0	65.5	66.7	67.4	67.6	67.6	67.7	67.8	67.8	68.0	68.0
GE 10000	29.1	41.8	47.2	52.9	60.2	65.8	68.3	69.5	70.2	70.5	70.5	70.6	70.8	70.8	70.9	70.9
GE 9000	29.1	41.8	47.2	52.9	60.4	66.0	68.6	69.8	70.5	70.9	70.9	71.0	71.1	71.1	71.2	71.2
GE 8000	30.4	43.9	49.8	56.1	63.8	69.6	72.2	73.3	74.1	74.4	74.4	74.5	74.6	74.6	74.7	74.7
GE 7000	30.9	44.7	51.1	57.4	65.3	71.2	73.8	74.9	75.7	76.0	76.0	76.1	76.2	76.2	76.3	76.3
GE 6000	31.4	45.3	51.8	58.3	66.3	72.3	74.8	76.0	76.8	77.1	77.1	77.2	77.3	77.3	77.4	77.4
GE 5000	32.3	46.5	53.1	59.5	67.8	74.0	76.7	77.8	78.6	78.9	78.9	79.0	79.1	79.1	79.2	79.2
GE 4500	32.4	47.0	53.8	60.4	68.8	74.9	77.6	78.8	79.6	79.9	79.9	80.0	80.1	80.1	80.2	80.2
GE 4000	32.8	48.9	56.1	63.1	72.3	78.5	81.5	82.7	83.4	83.8	83.8	83.9	84.0	84.0	84.1	84.1
GE 3500	33.5	51.3	58.8	66.3	76.0	82.6	85.6	86.8	87.5	87.8	87.8	88.0	88.1	88.1	88.2	88.2
GE 3000	34.4	52.5	60.3	68.4	78.9	85.5	88.9	90.3	91.1	91.4	91.4	91.5	91.6	91.6	91.7	91.7
GE 2500	34.5	52.7	60.6	69.1	79.7	86.2	89.9	91.3	92.0	92.4	92.4	92.5	92.6	92.6	92.7	92.7
GE 2000	34.5	52.8	60.6	69.4	79.9	86.8	90.4	91.8	92.6	92.9	92.9	93.0	93.1	93.1	93.2	93.2
GE 1800	34.6	53.1	61.1	69.7	80.2	87.1	90.8	92.2	92.9	93.2	93.2	93.3	93.4	93.4	93.5	93.5
GE 1500	34.6	53.2	61.2	69.3	80.8	87.6	91.4	92.8	93.5	93.9	93.9	94.0	94.1	94.1	94.2	94.2
GE 1200	34.7	53.5	61.6	70.2	81.2	88.1	91.8	93.3	94.2	94.5	94.5	94.6	94.7	94.7	94.8	94.8
GE 1000	34.7	53.7	62.0	70.5	81.6	88.6	92.4	93.9	94.7	95.1	95.1	95.2	95.3	95.3	95.4	95.4
GE 900	34.7	53.7	62.0	70.5	81.6	88.7	92.5	94.0	94.8	95.2	95.2	95.3	95.4	95.4	95.5	95.5
GE 800	34.7	53.9	62.3	70.9	81.9	89.2	93.0	94.5	95.4	95.7	95.7	95.8	95.9	95.9	96.0	96.0
GE 700	35.1	54.2	62.7	71.4	82.5	89.8	93.5	95.1	95.9	96.2	96.2	96.3	96.5	96.5	96.6	96.6
GE 600	35.1	54.2	62.7	71.5	82.8	90.2	94.1	95.6	96.5	96.8	96.8	96.9	97.0	97.0	97.1	97.1
GE 500	35.1	54.2	62.7	71.5	83.2	90.6	94.5	96.2	97.2	97.6	97.6	97.7	97.8	97.8	98.0	98.0
GE 400	35.1	54.2	62.7	71.5	83.3	90.8	94.6	96.5	97.4	97.8	97.8	98.2	98.3	98.4	98.5	98.5
GE 300	35.1	54.2	62.7	71.5	83.3	90.8	94.7	96.7	97.6	98.1	98.4	98.5	98.6	98.6	98.7	98.8
GE 200	35.1	54.2	62.7	71.5	83.3	90.9	94.8	96.8	97.7	98.3	98.6	98.7	99.0	99.0	99.1	99.2
GE 100	35.1	54.2	62.7	71.5	83.3	90.9	94.8	96.8	97.7	98.3	98.6	98.7	99.1	99.1	99.4	99.7
GE 01	35.1	54.2	62.7	71.5	83.3	90.9	94.8	96.8	97.7	98.3	98.6	98.7	99.1	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: AUG HOURS(IST): 3600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	15.7	24.8	28.8	33.1	39.6	42.6	46.8	51.1	52.4	52.9	53.4	53.4	53.9	54.2	54.3	54.3
GE 20000	16.5	26.5	30.8	36.3	43.4	47.0	51.6	55.9	57.3	58.1	58.6	58.6	59.2	59.7	59.8	59.8
GE 18000	16.6	27.0	31.3	36.7	44.2	47.7	52.4	56.7	58.1	58.9	59.5	59.5	60.1	60.5	60.6	60.6
GE 16000	16.6	27.0	31.3	36.7	44.2	47.7	52.4	56.7	58.1	58.9	59.5	59.5	60.1	60.5	60.6	60.6
GE 14000	16.7	27.2	31.5	36.9	44.5	48.3	52.9	57.2	58.9	59.8	60.3	60.3	61.0	61.4	61.5	61.5
GE 12000	16.8	27.6	32.0	37.3	45.6	49.5	54.4	58.7	60.4	61.3	61.8	61.8	62.5	62.9	63.0	63.0
GE 10000	17.5	29.5	34.5	40.3	49.7	53.7	58.8	63.5	65.3	66.2	66.8	66.8	67.4	67.8	68.0	68.0
GE 9000	17.5	29.9	34.9	41.2	50.1	54.1	59.2	64.0	65.7	66.7	67.2	67.2	67.8	68.3	68.4	68.4
GE 8000	18.5	32.6	38.4	45.4	54.9	59.1	64.5	69.2	71.0	71.9	72.5	72.5	73.1	73.5	73.7	73.7
GE 7000	18.5	32.9	38.8	46.1	56.0	60.4	65.9	70.6	72.4	73.3	73.9	73.9	74.5	74.9	75.1	75.1
GE 6000	18.5	33.1	39.4	46.3	57.1	61.6	67.5	72.3	74.0	74.9	75.5	75.5	76.2	76.7	76.8	76.8
GE 5000	18.8	33.9	40.2	47.3	58.4	63.1	69.1	74.0	75.7	76.7	77.2	77.2	78.0	78.4	78.5	78.5
GE 4500	18.9	34.6	41.1	48.2	59.5	64.3	70.4	75.3	77.0	78.0	78.6	78.6	79.4	79.8	79.9	79.9
GE 4000	19.0	34.9	41.6	49.7	60.3	65.4	71.8	77.0	78.7	79.7	80.3	80.3	81.1	81.5	81.6	81.6
GE 3500	19.4	35.5	42.4	50.4	61.5	66.6	73.2	78.4	80.1	81.1	81.7	81.7	82.5	82.9	83.0	83.0
GE 3000	19.5	35.7	42.9	51.1	62.6	67.8	74.9	80.4	82.3	83.2	83.9	83.9	84.6	85.1	85.2	85.2
GE 2500	19.6	36.1	43.3	51.5	63.2	68.5	75.9	81.5	83.3	84.3	84.9	84.9	85.7	86.1	86.2	86.2
GE 2000	19.7	36.7	44.1	52.4	64.1	69.4	76.9	83.1	84.9	85.9	86.6	86.6	87.3	87.7	87.8	87.8
GE 1800	19.9	37.0	44.4	52.8	64.5	69.8	77.3	83.5	85.4	86.3	87.0	87.0	87.7	88.2	88.3	88.3
GE 1500	20.1	37.6	45.2	53.3	65.6	71.2	78.9	85.3	87.1	88.1	88.7	88.7	89.5	89.9	90.0	90.0
GE 1200	20.2	37.7	45.3	53.3	65.9	71.7	79.6	86.0	87.8	88.8	89.5	89.5	90.2	90.6	90.8	90.8
GE 1000	20.3	38.0	45.9	55.1	67.3	73.4	81.7	88.4	90.2	91.2	91.8	91.8	92.6	93.0	93.1	93.1
GE 900	20.3	38.0	45.9	55.1	67.4	73.5	81.8	88.6	90.4	91.4	92.0	92.0	92.8	93.2	93.3	93.3
GE 800	20.3	38.0	46.2	55.4	68.1	74.2	82.6	89.5	91.3	92.4	93.1	93.2	94.0	94.4	94.5	94.5
GE 700	20.3	38.1	46.5	55.5	68.3	74.5	83.1	90.1	91.9	93.0	93.8	93.9	94.6	95.1	95.2	95.2
GE 600	20.3	38.3	46.7	55.5	68.6	75.2	83.8	91.0	92.8	93.9	94.6	94.7	95.5	95.9	96.0	96.0
GE 500	20.3	38.3	46.8	55.5	68.8	75.4	84.5	92.0	94.1	95.3	96.1	96.2	97.0	97.4	97.5	97.5
GE 400	20.3	38.3	46.8	55.5	68.8	75.4	84.5	92.4	94.6	96.0	96.9	97.0	97.7	98.2	98.3	98.3
GE 300	20.3	38.3	46.8	55.5	68.8	75.4	84.5	92.4	94.6	96.1	97.0	97.1	98.1	98.7	98.8	98.8
GE 200	20.3	38.3	46.8	55.5	68.8	75.4	84.5	92.4	94.6	96.1	97.1	97.2	98.4	99.1	99.4	99.5
GE 100	20.3	38.3	46.8	55.5	68.8	75.4	84.5	92.4	94.6	96.1	97.1	97.2	98.4	99.1	99.5	99.9
GE 0	20.3	38.3	46.8	55.5	68.8	75.4	84.5	92.4	94.6	96.1	97.1	97.2	98.4	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: AUG HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	20.3	38.1	42.9	47.4	50.3	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 20000	22.0	42.4	48.5	53.9	57.0	58.2	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 18000	22.2	42.6	48.7	54.1	57.2	58.4	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 16000	22.2	42.6	48.7	54.1	57.2	58.4	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 14000	22.3	42.7	49.0	54.6	57.7	58.9	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 12000	22.4	43.3	50.1	55.7	58.9	60.1	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 10000	23.9	46.1	53.4	59.7	63.1	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 9000	23.9	46.2	53.7	60.3	63.4	64.7	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 8000	24.7	48.1	55.9	62.3	66.6	67.8	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 7000	25.1	48.8	57.1	64.2	68.2	69.6	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 6000	25.2	49.4	58.2	65.5	69.7	71.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 5000	25.4	50.2	59.4	67.2	72.0	73.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 4500	25.6	50.9	60.0	68.1	72.9	74.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 4000	25.7	51.7	61.1	69.2	74.3	76.0	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 3500	25.9	52.6	62.4	70.3	76.1	77.8	79.1	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 3000	26.2	54.4	64.9	74.3	79.7	81.5	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 2500	26.9	55.5	66.5	75.5	81.4	83.4	84.8	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 2000	27.2	56.7	67.8	77.1	83.1	85.5	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 1800	27.4	57.2	68.4	77.6	83.7	86.0	87.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 1500	27.5	59.1	71.0	80.9	87.2	89.6	91.1	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 1200	27.5	60.0	72.0	82.5	89.1	91.9	93.4	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1000	27.6	60.8	72.8	83.7	91.1	94.1	95.6	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 900	27.6	60.8	72.9	83.3	91.2	94.2	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 800	27.6	61.0	73.3	84.2	91.8	95.1	96.6	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4
GE 700	27.6	61.2	73.5	84.5	92.5	95.9	97.4	98.2	98.2	98.3	98.3	98.3	98.3	98.4	98.4	98.4
GE 600	27.6	61.2	73.7	84.3	92.8	96.2	98.1	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1
GE 500	27.6	61.2	73.7	84.3	92.8	96.3	98.2	99.0	99.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2
GE 400	27.6	61.2	73.7	84.3	92.9	96.5	98.4	99.4	99.5	99.6	99.6	99.6	99.6	99.9	99.9	99.9
GE 300	27.6	61.2	73.7	84.3	92.9	96.5	98.4	99.4	99.5	99.6	99.6	99.6	99.6	100.0	100.0	100.0
GE 200	27.6	61.2	73.7	84.3	92.9	96.5	98.4	99.4	99.5	99.6	99.6	99.6	99.6	100.0	100.0	100.0
GE 100	27.6	61.2	73.7	84.3	92.9	96.5	98.4	99.4	99.5	99.6	99.6	99.6	99.6	100.0	100.0	100.0
GE 0	27.6	61.2	73.7	84.3	92.9	96.5	98.4	99.4	99.5	99.6	99.6	99.6	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: AUG HOURS(EST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	24.7	40.5	44.0	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 20000	28.0	47.7	52.6	54.2	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 18000	28.0	48.0	52.8	54.4	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 16000	28.0	48.0	52.8	54.4	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 14000	28.5	48.6	53.5	55.3	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 12000	29.4	49.8	54.8	56.5	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 10000	30.3	51.8	57.8	60.1	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 9000	30.3	52.2	58.2	60.4	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 8000	31.4	54.9	61.3	64.3	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 7000	31.7	55.6	62.0	64.7	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 6000	31.7	55.8	62.3	64.9	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 5000	31.9	57.4	64.0	67.2	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 4500	32.0	58.1	64.6	68.3	70.0	70.2	70.2	70.2	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 4000	33.7	62.2	69.5	73.3	75.8	76.1	76.2	76.3	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 3500	34.3	65.3	72.8	77.1	79.7	80.0	80.1	80.2	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 3000	36.7	70.6	79.0	84.3	87.3	87.7	88.0	88.2	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 2500	37.4	72.3	80.9	86.9	89.9	90.4	90.6	90.9	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 2000	37.8	73.4	82.3	88.5	92.3	92.8	93.1	93.3	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1800	37.8	73.5	82.4	88.6	92.6	93.1	93.4	93.7	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1500	38.0	75.1	84.5	90.9	94.7	95.4	95.7	96.0	96.2	96.6	96.6	96.6	96.6	96.7	96.7	96.7
GE 1200	38.0	75.8	85.3	91.5	95.9	96.7	97.0	97.3	97.5	97.8	97.8	97.8	97.8	98.0	98.0	98.0
GE 1000	38.0	76.0	85.7	92.3	97.1	98.1	98.4	98.7	98.9	99.2	99.2	99.2	99.2	99.4	99.4	99.4
GE 900	38.0	76.0	85.7	92.3	97.1	98.1	98.4	98.7	98.9	99.2	99.2	99.2	99.2	99.4	99.4	99.4
GE 800	38.0	76.0	85.7	92.3	97.2	98.4	98.7	99.0	99.2	99.6	99.6	99.6	99.6	99.7	99.7	99.7
GE 700	38.0	76.0	85.7	92.3	97.2	98.4	98.7	99.0	99.2	99.6	99.6	99.6	99.6	99.7	99.7	99.7
GE 600	38.0	76.1	85.8	92.4	97.3	98.5	98.8	99.1	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 500	38.0	76.1	85.8	92.4	97.3	98.6	99.0	99.4	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 400	38.0	76.1	85.8	92.4	97.3	98.6	99.0	99.4	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 300	38.0	76.1	85.8	92.4	97.3	98.6	99.0	99.4	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 200	38.0	76.1	85.8	92.4	97.3	98.6	99.0	99.4	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	38.0	76.1	85.8	92.4	97.3	98.6	99.0	99.4	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 0	38.0	76.1	85.8	92.4	97.3	98.6	99.0	99.4	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: AUG HOURS(EST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3	
NO CEIL	27.0	41.7	46.5	48.3	48.4	48.4	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	
GE 20000	30.6	49.8	56.7	58.3	58.7	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	
GE 18000	30.6	49.8	56.7	58.3	58.7	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	
GE 16000	30.6	49.8	56.7	58.3	58.7	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	
GE 14000	31.1	50.3	57.3	59.3	59.5	59.8	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	
GE 12000	32.2	51.8	59.0	61.3	61.4	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	
GE 10000	33.9	55.5	63.0	65.3	65.7	66.0	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	
GE 9000	34.0	55.7	63.2	65.5	65.9	66.2	66.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	
GE 8000	34.9	58.7	66.5	69.2	70.0	70.3	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	
GE 7000	35.4	59.8	67.7	70.8	71.5	71.8	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	
GE 6000	35.6	60.8	68.8	71.9	72.9	73.2	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	
GE 5000	36.1	62.3	70.9	74.3	75.3	75.6	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	
GE 4500	36.1	63.1	71.8	75.3	76.2	76.6	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	
GE 4000	37.4	67.3	77.4	81.4	82.6	82.9	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	
GE 3500	38.5	69.5	79.8	84.3	85.6	85.9	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	
GE 3000	40.2	74.0	85.4	90.4	92.9	93.5	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
GE 2500	40.6	75.6	87.3	92.5	94.9	95.6	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	
GE 2000	40.6	75.9	87.6	92.8	95.5	96.1	96.2	96.7	96.7	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	
GE 1800	40.6	76.0	87.8	93.3	95.8	96.5	96.6	97.0	97.0	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	
GE 1500	40.6	76.2	88.2	93.4	96.3	97.1	97.2	97.6	97.6	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.0	
GE 1200	40.6	76.6	88.5	94.3	97.0	97.8	98.0	98.4	98.4	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	
GE 1000	40.6	76.6	88.6	94.1	97.2	98.1	98.3	98.7	98.7	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	
GE 900	40.6	76.6	88.6	94.1	97.3	98.2	98.4	98.8	98.8	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	
GE 800	40.6	76.6	88.6	94.1	97.3	98.2	98.5	98.9	98.9	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	
GE 700	40.6	76.6	88.6	94.1	97.3	98.4	98.7	99.1	99.1	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	
GE 600	40.6	76.6	88.6	94.1	97.3	98.4	98.7	99.1	99.1	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	
GE 500	40.6	76.6	88.6	94.1	97.4	98.5	98.8	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GE 400	40.6	76.6	88.6	94.1	97.4	98.5	98.8	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GE 300	40.6	76.6	88.6	94.1	97.4	98.5	98.8	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GE 200	40.6	76.6	88.6	94.1	97.4	98.5	98.8	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GE 100	40.6	76.6	88.6	94.1	97.4	98.5	98.8	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	
GE 01	40.6	76.6	88.6	94.1	97.4	98.5	98.8	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: AUG HOURS(IST): 1800-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	32.4	47.0	51.7	55.3	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 20000	34.9	53.5	60.0	64.2	65.2	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 18000	34.9	53.5	60.0	64.3	65.5	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 16000	34.9	53.5	60.0	64.3	65.5	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 14000	35.2	54.0	60.4	64.7	65.9	66.2	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 12000	36.5	55.8	62.4	66.3	68.0	68.3	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 10000	38.5	59.0	66.1	71.5	72.8	73.1	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 9000	38.5	59.5	66.6	71.9	73.4	73.8	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 8000	40.8	63.0	70.3	76.2	78.0	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 7000	41.3	64.5	71.9	78.2	80.0	80.4	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 6000	41.3	64.9	72.5	78.9	80.6	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 5000	41.9	66.0	74.0	80.6	82.5	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 4500	42.4	67.1	75.5	82.2	84.0	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 4000	43.3	70.0	78.6	85.8	87.6	88.1	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 3500	44.2	71.3	80.3	87.3	89.9	90.4	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 3000	44.9	73.0	83.0	91.2	93.7	94.3	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 2500	45.4	74.2	84.4	92.3	95.4	96.0	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2000	45.4	74.4	84.7	93.2	96.0	96.7	97.0	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1800	45.4	74.4	84.7	93.3	96.1	96.8	97.1	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1500	45.4	74.5	84.9	93.3	96.7	97.3	97.7	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	45.4	74.6	85.1	93.9	96.9	97.5	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	45.4	74.6	85.1	94.1	97.2	97.8	98.3	98.6	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	45.4	74.6	85.1	94.1	97.2	97.8	98.3	98.6	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	45.4	74.6	85.1	94.2	97.3	98.0	98.5	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	45.4	74.6	85.1	94.2	97.3	98.0	98.5	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	45.4	74.6	85.1	94.2	97.3	98.0	98.5	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	45.4	74.8	85.3	94.4	97.5	98.5	99.0	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	45.4	74.8	85.3	94.4	97.5	98.5	99.0	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	45.4	74.8	85.3	94.4	97.5	98.5	99.0	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	45.4	74.8	85.3	94.4	97.5	98.5	99.0	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	45.4	74.8	85.3	94.4	97.5	98.5	99.0	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 01	45.4	74.8	85.3	94.4	97.5	98.5	99.0	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: AUG HOURS (LST): 2100-2300

CEILING		VISIBILITY IN STATUTE MILES														
IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	39.0	50.8	54.3	57.4	59.1	59.4	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 20000	40.5	56.1	61.5	65.4	67.8	68.4	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 18000	40.5	56.2	61.6	65.5	68.0	68.5	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 16000	40.5	56.2	61.6	65.5	68.0	68.5	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 14000	40.6	56.3	61.7	65.7	68.4	68.9	69.1	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 12000	41.1	57.0	62.4	66.5	69.0	69.6	69.8	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 10000	43.2	60.2	66.3	71.1	74.3	74.8	75.1	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 9000	43.5	61.0	67.1	71.3	75.1	75.6	75.8	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 8000	44.7	64.2	70.8	75.7	79.0	79.6	79.8	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 7000	44.9	65.1	71.6	76.9	80.4	81.0	81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 6000	44.9	65.3	72.0	77.3	80.9	81.4	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 5000	46.5	67.6	74.9	80.4	84.1	84.6	84.9	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 4500	46.6	68.3	75.7	81.4	85.1	85.6	85.9	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 4000	48.3	71.8	80.1	86.1	90.4	91.0	91.4	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 3500	48.9	73.0	81.6	87.5	92.8	93.4	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 3000	49.7	74.1	83.2	89.5	94.7	95.6	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2500	50.0	74.6	83.8	90.3	95.7	96.6	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2000	50.0	74.7	83.9	90.5	95.9	96.8	97.2	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1800	50.0	74.9	84.1	90.8	96.1	97.1	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	50.0	75.2	84.3	91.3	96.5	97.4	97.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	50.1	75.3	84.5	91.2	96.7	97.6	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	50.2	75.4	84.6	91.4	96.9	98.0	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	50.2	75.4	84.6	91.4	96.9	98.0	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	50.3	75.5	84.7	91.5	97.0	98.1	98.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	50.3	75.5	84.7	91.5	97.0	98.1	98.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	50.3	75.5	84.7	91.5	97.0	98.1	98.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	50.3	75.7	84.9	91.7	97.2	98.5	98.9	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 400	50.3	75.7	84.9	91.7	97.2	98.5	98.9	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 300	50.3	75.7	84.9	91.7	97.2	98.5	98.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	50.3	75.7	84.9	91.7	97.2	98.5	98.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	50.3	75.7	84.9	91.7	97.2	98.5	98.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 0	50.3	75.7	84.9	91.7	97.2	98.5	98.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: AUG HOURS(EST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	27.5	40.7	44.9	48.3	51.2	52.8	53.4	54.2	54.4	54.5	54.6	54.6	54.6	54.6	54.7	54.7
GE 20000	29.7	45.7	51.2	55.2	58.6	60.3	61.4	62.2	62.4	62.6	62.6	62.6	62.6	62.7	62.8	62.8
GE 18000	29.8	45.8	51.4	55.4	58.8	60.5	61.6	62.4	62.6	62.8	62.9	62.9	63.0	63.0	63.1	63.1
GE 16000	29.8	45.8	51.4	55.4	58.8	60.5	61.6	62.4	62.6	62.8	62.9	62.9	63.0	63.0	63.1	63.1
GE 14000	30.0	46.1	51.7	55.5	59.3	61.0	62.1	63.0	63.3	63.5	63.5	63.5	63.5	63.7	63.7	63.7
GE 12000	30.5	47.0	52.8	57.3	60.5	62.2	63.4	64.2	64.6	64.7	64.8	64.8	64.9	65.0	65.0	65.0
GE 10000	31.9	49.6	55.9	60.7	64.6	66.3	67.6	68.5	68.8	69.0	69.1	69.1	69.2	69.2	69.2	69.2
GE 9000	32.0	49.9	56.3	61.1	65.0	66.8	68.0	68.9	69.3	69.4	69.5	69.5	69.6	69.7	69.7	69.7
GE 8000	33.3	52.6	59.4	64.7	68.9	70.7	72.0	72.9	73.2	73.4	73.5	73.5	73.6	73.6	73.6	73.6
GE 7000	33.6	53.4	60.4	65.7	70.3	72.1	73.4	74.3	74.7	74.8	74.9	74.9	75.0	75.1	75.1	75.1
GE 6000	33.8	53.6	61.0	66.5	71.1	73.0	74.4	75.3	75.6	75.8	75.8	75.9	76.0	76.0	76.0	76.0
GE 5000	34.4	55.2	62.7	68.5	73.3	75.3	76.7	77.6	77.9	78.1	78.2	78.2	78.3	78.3	78.4	78.4
GE 4500	34.5	55.9	63.5	69.5	74.4	76.4	77.8	78.7	79.1	79.3	79.3	79.4	79.5	79.5	79.5	79.5
GE 4000	35.5	58.6	66.8	73.2	78.4	80.5	82.0	83.0	83.4	83.6	83.7	83.7	83.8	83.8	83.9	83.9
GE 3500	36.2	60.3	68.9	75.5	81.1	83.3	84.9	85.9	86.3	86.5	86.6	86.6	86.7	86.7	86.8	86.8
GE 3000	37.2	62.5	71.8	79.3	85.0	87.3	89.1	90.1	90.5	90.7	90.8	90.8	90.9	91.0	91.0	91.0
GE 2500	37.5	63.3	72.8	80.3	86.3	88.7	90.5	91.7	92.1	92.3	92.4	92.4	92.5	92.5	92.6	92.6
GE 2000	37.6	63.8	73.4	81.3	87.7	89.6	91.5	92.8	93.2	93.4	93.5	93.5	93.6	93.7	93.7	93.7
GE 1800	37.7	64.0	73.6	81.2	87.5	89.9	91.8	93.1	93.5	93.8	93.9	93.9	94.0	94.0	94.1	94.1
GE 1500	37.8	64.7	74.5	82.2	88.7	91.2	93.2	94.5	94.9	95.2	95.3	95.3	95.4	95.5	95.5	95.5
GE 1200	37.8	65.1	74.9	82.3	89.4	92.0	94.0	95.4	95.8	96.0	96.1	96.1	96.3	96.3	96.4	96.4
GE 1000	37.9	65.3	75.3	83.3	90.2	92.9	95.0	96.4	96.8	97.1	97.2	97.2	97.3	97.4	97.4	97.4
GE 900	37.9	65.3	75.3	83.4	90.2	93.0	95.1	96.5	96.9	97.2	97.3	97.3	97.4	97.5	97.5	97.5
GE 800	37.9	65.4	75.4	83.5	90.5	93.4	95.5	96.9	97.3	97.6	97.8	97.8	97.9	98.0	98.0	98.0
GE 700	38.0	65.5	75.6	83.7	90.7	93.6	95.8	97.2	97.6	98.0	98.1	98.1	98.2	98.3	98.3	98.3
GE 600	38.0	65.5	75.6	83.3	90.8	93.8	96.0	97.5	97.9	98.2	98.3	98.4	98.5	98.6	98.6	98.6
GE 500	38.0	65.6	75.7	83.3	91.0	94.1	96.4	97.9	98.4	98.8	98.9	99.0	99.1	99.2	99.2	99.2
GE 400	38.0	65.6	75.7	83.3	91.0	94.1	96.4	98.1	98.5	99.0	99.2	99.2	99.4	99.4	99.4	99.4
GE 300	38.0	65.6	75.7	83.3	91.0	94.1	96.4	98.1	98.6	99.0	99.2	99.3	99.5	99.6	99.6	99.6
GE 200	38.0	65.6	75.7	83.3	91.0	94.1	96.4	98.1	98.6	99.1	99.3	99.3	99.6	99.7	99.8	99.8
GE 100	38.0	65.6	75.7	83.3	91.0	94.1	96.4	98.1	98.6	99.1	99.3	99.3	99.7	99.8	99.8	99.8
GE 0	38.0	65.6	75.7	83.3	91.0	94.1	96.4	98.1	98.6	99.1	99.3	99.3	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440



GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: SEP HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	41.0	50.4	53.2	56.7	59.7	61.6	62.4	62.4	62.7	62.9	62.9	62.9	63.1	63.1	63.2	63.3
GE 20000	43.0	53.2	56.0	59.5	63.2	65.2	66.2	66.2	66.4	66.7	66.7	66.7	66.9	66.9	67.0	67.1
GE 18000	43.1	53.7	56.4	60.3	63.7	65.7	66.7	66.7	66.9	67.1	67.1	67.1	67.3	67.3	67.4	67.5
GE 16000	43.1	53.7	56.4	60.3	63.7	65.7	66.7	66.7	66.9	67.1	67.1	67.1	67.3	67.3	67.4	67.5
GE 14000	43.6	54.1	56.9	60.4	64.1	66.1	67.1	67.1	67.3	67.6	67.6	67.6	67.8	67.8	67.9	68.0
GE 12000	45.2	55.9	58.7	62.2	65.9	67.9	68.9	68.9	69.1	69.3	69.3	69.3	69.6	69.6	69.7	69.8
GE 10000	47.3	58.7	61.6	65.7	69.4	71.4	72.4	72.4	72.7	72.9	72.9	72.9	73.1	73.1	73.2	73.3
GE 9000	47.7	59.3	62.2	66.4	70.2	72.2	73.2	73.2	73.4	73.7	73.7	73.7	73.9	73.9	74.0	74.1
GE 8000	50.4	62.4	65.4	69.7	73.4	75.6	76.6	76.6	76.8	77.0	77.0	77.0	77.2	77.2	77.3	77.4
GE 7000	51.3	64.0	67.0	71.4	75.2	77.3	78.4	78.4	78.7	78.9	78.9	78.9	79.1	79.1	79.2	79.3
GE 6000	52.7	65.7	68.7	73.1	77.0	79.1	80.2	80.2	80.4	80.7	80.7	80.7	80.9	80.9	81.0	81.1
GE 5000	54.6	67.6	70.6	75.3	79.1	81.2	82.3	82.3	82.6	82.8	82.8	82.8	83.0	83.0	83.1	83.2
GE 4500	55.6	68.6	71.6	76.3	80.4	82.6	83.7	83.7	83.9	84.1	84.1	84.1	84.3	84.3	84.4	84.5
GE 4000	56.9	70.3	73.8	78.4	83.1	85.2	86.4	86.4	86.7	86.9	86.9	86.9	87.1	87.1	87.2	87.3
GE 3500	57.3	70.9	74.3	79.3	83.8	85.9	87.1	87.3	87.6	87.8	87.8	87.8	88.0	88.0	88.1	88.2
GE 3000	59.0	72.6	76.0	80.7	85.7	87.8	89.0	89.3	89.6	89.8	89.8	89.8	90.0	90.0	90.1	90.2
GE 2500	59.1	73.1	76.6	81.7	86.7	88.8	90.0	90.3	90.6	90.8	90.8	90.8	91.0	91.0	91.1	91.2
GE 2000	59.1	74.1	77.7	83.1	88.2	90.3	91.7	92.1	92.3	92.6	92.6	92.6	92.8	92.8	92.9	93.0
GE 1800	59.2	74.2	77.8	83.2	88.3	90.6	91.9	92.3	92.6	92.8	92.8	92.8	93.0	93.0	93.1	93.2
GE 1500	59.7	75.3	78.9	84.5	90.0	92.2	93.6	94.0	94.2	94.4	94.4	94.4	94.7	94.7	94.8	94.9
GE 1200	59.8	76.2	79.9	85.7	91.2	93.4	94.8	95.2	95.4	95.7	95.7	95.7	95.9	95.9	96.0	96.1
GE 1000	59.8	76.3	80.4	86.3	92.0	94.2	95.6	96.1	96.3	96.6	96.6	96.6	96.8	96.8	96.9	97.0
GE 900	59.9	76.4	80.6	86.4	92.2	94.4	95.8	96.3	96.6	96.8	96.8	96.8	97.0	97.0	97.1	97.2
GE 800	60.3	77.0	81.2	87.2	93.2	95.4	96.8	97.3	97.6	97.8	97.8	97.8	98.0	98.0	98.1	98.2
GE 700	60.3	77.0	81.2	87.3	93.3	95.6	96.9	97.4	97.7	97.9	97.9	97.9	98.1	98.1	98.2	98.3
GE 600	60.3	77.0	81.2	87.4	93.8	96.2	97.6	98.1	98.3	98.6	98.6	98.6	98.8	98.8	98.9	99.0
GE 500	60.3	77.0	81.3	87.3	94.1	96.6	98.0	98.6	98.8	99.0	99.0	99.0	99.2	99.2	99.3	99.4
GE 400	60.3	77.1	81.4	87.3	94.2	96.7	98.1	98.7	98.9	99.1	99.1	99.1	99.3	99.3	99.4	99.5
GE 300	60.3	77.1	81.4	87.3	94.3	96.8	98.2	98.9	99.1	99.3	99.4	99.4	99.7	99.7	99.8	99.9
GE 200	60.3	77.1	81.4	87.3	94.3	96.8	98.2	98.9	99.1	99.3	99.4	99.4	99.7	99.7	99.8	100.0
GE 100	60.3	77.1	81.4	87.3	94.3	96.8	98.2	98.9	99.1	99.3	99.4	99.4	99.7	99.7	99.8	100.0
GE 01	60.3	77.1	81.4	87.3	94.3	96.8	98.2	98.9	99.1	99.3	99.4	99.4	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: SEP HOURS(LOCAL): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	33.6	40.7	44.3	48.2	53.6	55.6	58.1	59.3	60.0	60.4	61.1	61.1	61.6	61.6	61.9	62.1
GE 20000	34.4	42.8	46.7	50.5	56.1	58.6	61.3	62.6	63.2	63.7	64.3	64.3	64.8	64.8	65.1	65.3
GE 18000	34.6	42.9	46.8	50.7	56.2	58.7	61.4	62.7	63.3	63.8	64.4	64.4	64.9	64.9	65.2	65.4
GE 16000	34.6	43.0	46.9	50.3	56.3	58.8	61.6	62.8	63.4	63.9	64.6	64.6	65.0	65.0	65.3	65.6
GE 14000	34.6	43.0	46.9	50.3	56.3	58.8	61.6	62.8	63.4	63.9	64.6	64.6	65.0	65.0	65.3	65.6
GE 12000	35.7	44.4	48.3	52.2	57.8	60.2	63.0	64.2	64.9	65.3	66.0	66.0	66.4	66.4	66.8	67.0
GE 10000	37.0	46.1	50.2	54.3	60.2	62.7	65.6	66.8	67.4	67.9	68.6	68.6	69.0	69.0	69.3	69.6
GE 9000	37.8	46.9	51.0	55.1	61.0	63.4	66.3	67.6	68.2	68.7	69.3	69.3	69.8	69.8	70.1	70.3
GE 8000	38.8	48.6	52.9	57.1	62.9	65.3	68.2	69.7	70.3	70.8	71.4	71.4	71.9	71.9	72.2	72.4
GE 7000	40.1	50.8	55.1	59.2	65.2	67.9	70.9	72.3	73.0	73.4	74.1	74.1	74.6	74.6	74.9	75.1
GE 6000	41.8	53.3	57.9	62.3	68.0	70.7	73.7	75.1	75.8	76.2	76.9	76.9	77.3	77.3	77.7	77.9
GE 5000	43.2	54.8	59.4	63.5	69.8	72.4	75.7	77.1	77.8	78.2	78.9	78.9	79.3	79.3	79.7	79.9
GE 4500	43.4	55.0	59.9	64.1	70.7	73.6	76.8	78.3	79.0	79.4	80.1	80.1	80.6	80.6	80.9	81.1
GE 4000	45.0	57.2	62.1	66.5	73.3	76.2	79.4	81.2	81.9	82.3	83.0	83.0	83.4	83.4	83.8	84.0
GE 3500	45.8	58.3	63.2	67.7	74.4	77.3	80.6	82.4	83.1	83.6	84.2	84.2	84.7	84.7	85.0	85.2
GE 3000	47.1	60.4	65.4	70.1	76.9	79.8	83.0	85.0	85.7	86.1	86.8	86.8	87.2	87.2	87.6	87.8
GE 2500	47.3	60.9	65.9	70.7	77.4	80.3	83.6	85.6	86.2	86.7	87.3	87.3	87.8	87.8	88.1	88.3
GE 2000	47.4	61.9	66.9	71.7	78.7	82.0	85.3	87.3	88.0	88.4	89.1	89.1	89.6	89.6	89.9	90.1
GE 1800	47.6	62.0	67.0	71.3	79.9	82.2	85.6	87.6	88.2	88.7	89.3	89.3	89.8	89.8	90.1	90.3
GE 1500	47.7	62.4	67.9	72.7	79.8	83.1	86.4	88.4	89.1	89.6	90.2	90.2	90.7	90.7	91.0	91.2
GE 1200	48.0	63.3	69.1	73.9	81.0	84.3	87.7	89.8	90.4	90.9	91.6	91.6	92.0	92.0	92.3	92.5
GE 1000	48.2	63.9	70.1	75.1	82.6	86.1	89.4	91.8	92.4	92.9	93.6	93.6	94.0	94.0	94.3	94.6
GE 900	48.3	64.1	70.3	75.3	82.8	86.3	89.7	92.0	92.7	93.1	93.8	93.8	94.2	94.2	94.6	94.8
GE 800	48.4	64.6	70.8	76.1	83.6	87.1	90.4	92.8	93.4	93.9	94.6	94.6	95.0	95.0	95.3	95.6
GE 700	48.4	64.8	71.0	76.3	83.8	87.3	90.7	93.2	93.9	94.3	95.0	95.0	95.4	95.4	95.8	96.0
GE 600	48.4	64.8	71.4	76.9	84.8	88.8	92.1	94.8	95.4	95.9	96.6	96.6	97.0	97.0	97.3	97.6
GE 500	48.4	65.0	71.8	77.3	85.2	89.2	92.7	95.7	96.3	96.9	97.6	97.6	98.1	98.1	98.4	98.7
GE 400	48.4	65.0	71.8	77.3	85.2	89.3	93.1	96.1	96.8	97.3	98.0	98.0	98.6	98.6	98.9	99.1
GE 300	48.4	65.0	71.8	77.3	85.2	89.3	93.1	96.1	96.8	97.3	98.0	98.0	98.6	98.6	98.9	99.1
GE 200	48.4	65.0	71.8	77.3	85.2	89.3	93.1	96.1	96.8	97.3	98.0	98.0	98.6	98.6	98.9	99.1
GE 100	48.4	65.0	71.8	77.3	85.2	89.3	93.1	96.1	96.8	97.3	98.0	98.0	98.6	98.6	99.0	99.4
GE 01	48.4	65.0	71.8	77.3	85.2	89.3	93.1	96.1	96.8	97.3	98.0	98.0	98.6	98.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: SEP HOURS(LST): 0600-2400

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	1	22.9	30.2	33.7	36.7	43.7	46.6	49.6	52.8	54.1	55.4	56.6	56.7	57.2	57.2	57.7	57.7
GE 20000	23.9	31.6	35.0	38.3	45.8	48.7	52.1	55.3	56.8	58.1	59.2	59.3	59.4	59.9	59.9	60.4	60.6
GE 18000	23.9	31.6	35.0	38.3	45.8	48.7	52.1	55.4	56.9	58.2	59.3	59.4	60.0	60.0	60.6	60.7	60.7
GE 16000	23.9	31.7	35.2	38.5	46.1	49.0	52.4	55.8	57.2	58.6	59.7	59.8	60.3	60.3	60.9	61.0	61.0
GE 14000	23.9	31.9	35.7	39.1	46.7	49.6	53.0	56.3	57.8	59.1	60.2	60.3	60.9	60.9	61.4	61.6	61.6
GE 12000	24.1	32.7	36.6	40.2	47.9	51.1	54.7	58.0	59.4	60.8	61.9	62.0	62.6	62.6	63.1	63.2	63.2
GE 10000	24.7	33.8	37.8	41.7	49.4	52.8	56.3	59.9	61.3	62.7	63.9	64.0	64.6	64.6	65.1	65.2	65.2
GE 9000	24.8	34.0	38.0	41.9	49.7	53.0	56.6	60.1	61.7	63.0	64.2	64.3	64.9	64.9	65.4	65.6	65.6
GE 8000	26.8	36.4	40.9	45.2	53.1	56.6	60.1	63.8	65.3	66.7	67.9	68.0	68.6	68.6	69.1	69.2	69.2
GE 7000	27.1	37.4	42.0	46.4	54.4	58.0	61.7	65.6	67.1	68.4	69.7	69.8	70.3	70.3	70.9	71.0	71.0
GE 6000	28.0	38.7	43.3	48.3	56.1	59.7	63.3	67.2	68.8	70.1	71.3	71.4	72.0	72.0	72.6	72.7	72.7
GE 5000	29.0	40.0	44.7	49.3	57.4	61.1	64.8	68.7	70.2	71.6	72.8	72.9	73.4	73.4	74.0	74.1	74.1
GE 4500	29.2	40.4	45.1	49.7	58.2	61.9	65.6	69.8	71.6	72.9	74.1	74.2	74.8	74.8	75.3	75.4	75.4
GE 4000	30.2	42.1	47.1	52.3	60.7	64.3	68.0	72.3	74.1	75.4	76.7	76.8	77.3	77.3	77.9	78.0	78.0
GE 3500	30.6	43.3	48.4	53.5	62.3	66.0	69.7	74.1	75.9	77.2	78.4	78.6	79.1	79.1	79.7	79.9	79.9
GE 3000	31.0	44.6	50.1	55.3	64.3	68.0	71.7	76.2	78.2	79.6	80.8	80.9	81.4	81.4	82.0	82.2	82.2
GE 2500	31.2	45.2	51.1	56.4	65.4	69.3	73.1	77.7	79.7	81.1	82.3	82.4	83.0	83.0	83.6	83.8	83.8
GE 2000	31.6	45.8	51.7	57.3	66.1	70.0	73.8	78.3	80.3	81.9	83.1	83.2	83.8	83.8	84.3	84.6	84.6
GE 1800	31.6	45.8	51.7	57.3	66.1	70.0	73.8	78.4	80.6	82.1	83.3	83.4	84.0	84.0	84.6	84.8	84.8
GE 1500	32.0	46.9	52.9	58.2	67.7	71.7	75.4	80.4	82.6	84.1	85.3	85.4	86.0	86.0	86.6	86.8	86.8
GE 1200	32.9	48.3	54.7	60.2	69.9	73.9	77.8	82.9	85.0	86.6	87.8	87.9	88.4	88.4	89.0	89.2	89.2
GE 1000	33.1	49.3	55.7	61.4	71.3	75.4	79.4	84.7	86.8	88.3	89.6	89.7	90.2	90.2	90.8	91.0	91.0
GE 900	33.1	49.9	56.2	62.3	72.1	76.6	80.7	86.1	88.4	90.0	91.2	91.3	91.9	91.9	92.4	92.7	92.7
GE 800	33.4	50.4	56.8	62.7	73.0	77.7	81.9	87.6	89.9	91.4	92.7	92.8	93.3	93.3	93.9	94.1	94.1
GE 700	33.4	50.7	57.6	63.4	74.0	78.7	83.0	88.8	91.2	92.9	94.1	94.2	94.8	94.8	95.3	95.6	95.6
GE 600	33.4	50.9	57.8	63.7	74.8	79.8	84.2	90.1	92.6	94.2	95.4	95.6	96.1	96.1	96.7	96.9	96.9
GE 500	33.4	50.9	57.9	63.9	75.1	80.1	84.7	90.9	93.3	95.0	96.3	96.4	97.0	97.0	97.7	97.9	97.9
GE 400	33.4	50.9	57.9	64.3	75.2	80.2	85.0	91.2	93.7	95.6	96.9	97.0	97.7	97.7	98.4	98.6	98.6
GE 300	33.4	50.9	57.9	64.3	75.2	80.2	85.0	91.2	93.7	95.6	97.0	97.1	97.8	97.8	98.3	98.6	98.9
GE 200	33.4	50.9	57.9	64.3	75.2	80.2	85.0	91.3	93.8	95.7	97.1	97.2	97.9	97.9	98.1	98.8	99.2
GE 100	33.4	50.9	57.9	64.3	75.2	80.2	85.0	91.3	93.8	95.8	97.2	97.3	98.0	98.0	98.2	99.0	99.7
GE 0	33.4	50.9	57.9	64.3	75.2	80.2	85.0	91.3	93.8	95.8	97.2	97.3	98.0	98.2	99.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: SEP HOURS (LST): 3900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	28.4	43.2	47.4	50.3	53.7	54.4	54.7	55.3	55.4	55.4	55.4	55.4	55.6	55.6	55.6	55.6
GE 20000	31.7	47.4	52.2	55.3	59.2	60.3	60.8	61.7	61.8	61.8	61.8	61.8	62.0	62.0	62.0	62.3
GE 18000	31.7	47.6	52.3	55.4	59.3	60.4	60.9	61.8	61.9	61.9	61.9	61.9	62.1	62.1	62.1	62.1
GE 16000	31.7	47.6	52.3	55.5	59.6	60.7	61.1	62.0	62.1	62.1	62.1	62.1	62.3	62.3	62.3	62.3
GE 14000	31.8	47.9	52.9	56.1	60.1	61.2	61.7	62.6	62.7	62.7	62.7	62.7	62.9	62.9	62.9	62.9
GE 12000	32.8	49.2	54.2	57.7	61.7	62.8	63.2	64.1	64.2	64.2	64.2	64.2	64.4	64.4	64.4	64.4
GE 10000	33.7	51.4	56.6	60.4	64.8	66.1	66.6	67.4	67.6	67.6	67.7	67.7	67.9	67.9	67.9	67.9
GE 9000	34.3	52.1	57.2	61.2	65.6	66.9	67.3	68.2	68.3	68.3	68.4	68.4	68.7	68.7	68.7	68.7
GE 8000	35.6	54.0	59.1	63.4	68.1	69.4	69.9	70.8	70.9	70.9	71.0	71.0	71.2	71.2	71.2	71.2
GE 7000	36.0	54.7	59.8	64.1	68.9	70.3	70.8	71.7	71.8	71.8	71.9	71.9	72.1	72.1	72.1	72.1
GE 6000	36.3	55.2	60.3	64.7	69.4	71.1	71.6	72.4	72.6	72.6	72.7	72.7	72.9	72.9	72.9	72.9
GE 5000	37.7	57.1	62.2	66.5	71.6	73.2	73.7	74.6	74.7	74.7	74.8	74.8	75.0	75.0	75.0	75.0
GE 4500	38.3	58.0	63.2	67.5	72.9	74.6	75.0	75.9	76.0	76.0	76.1	76.1	76.3	76.3	76.3	76.3
GE 4000	38.8	58.6	64.0	68.3	73.8	75.4	76.2	77.2	77.3	77.3	77.4	77.4	77.7	77.7	77.7	77.7
GE 3500	39.3	59.2	64.9	69.2	74.7	76.3	77.1	78.1	78.2	78.2	78.3	78.3	78.6	78.6	78.6	78.6
GE 3000	40.1	61.0	67.1	71.8	77.2	78.9	79.7	80.7	80.8	80.8	80.9	80.9	81.1	81.1	81.1	81.1
GE 2500	40.2	61.8	68.0	72.7	78.2	79.9	80.7	81.7	81.8	81.8	81.9	81.9	82.1	82.1	82.1	82.1
GE 2000	41.3	63.7	70.2	74.9	80.4	82.1	82.9	84.1	84.3	84.3	84.4	84.4	84.7	84.7	84.7	84.7
GE 1800	41.6	63.9	70.6	75.2	80.8	82.4	83.2	84.4	84.7	84.7	84.8	84.8	85.0	85.0	85.0	85.0
GE 1500	42.1	66.1	73.3	78.4	84.6	86.4	87.2	88.4	88.7	88.7	88.8	88.8	89.0	89.0	89.0	89.0
GE 1200	42.7	68.1	75.3	80.7	87.0	89.0	89.9	91.2	91.4	91.4	91.6	91.6	91.8	91.8	91.8	91.8
GE 1000	43.0	68.9	76.2	81.3	88.4	90.6	91.4	93.0	93.2	93.2	93.3	93.3	93.6	93.6	93.6	93.6
GE 900	43.2	69.4	77.0	82.8	89.7	92.0	93.2	94.8	95.1	95.1	95.2	95.2	95.4	95.4	95.4	95.4
GE 800	43.2	69.6	77.4	83.5	90.7	93.1	94.3	96.0	96.3	96.3	96.4	96.4	96.7	96.7	96.7	96.7
GE 700	43.2	69.7	78.3	84.4	91.8	94.4	95.9	97.8	98.1	98.2	98.3	98.3	98.6	98.6	98.6	98.6
GE 600	43.2	69.8	78.4	84.5	91.9	94.7	96.2	98.1	98.4	98.7	98.8	98.8	99.0	99.0	99.0	99.0
GE 500	43.2	69.9	78.7	84.3	92.1	95.0	96.6	98.4	98.8	99.0	99.1	99.1	99.4	99.4	99.4	99.4
GE 400	43.2	70.0	78.8	84.9	92.2	95.1	96.7	98.7	99.0	99.2	99.3	99.3	99.7	99.7	99.7	99.7
GE 300	43.2	70.0	78.8	84.9	92.2	95.1	96.7	98.7	99.0	99.2	99.3	99.3	99.8	99.8	99.8	99.8
GE 200	43.2	70.0	78.8	84.9	92.2	95.1	96.7	98.7	99.0	99.2	99.4	99.4	99.9	99.9	100.0	100.0
GE 100	43.2	70.0	78.8	84.9	92.2	95.1	96.7	98.7	99.0	99.2	99.4	99.4	99.9	99.9	100.0	100.0
GE 0	43.2	70.0	78.8	84.9	92.2	95.1	96.7	98.7	99.0	99.2	99.4	99.4	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: SEP HOURS(LEST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	35.3	44.3	46.8	49.5	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 20000	40.0	51.4	54.2	57.4	59.2	59.3	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 18000	40.3	51.8	54.6	57.3	59.6	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 16000	40.3	51.8	54.6	57.3	59.8	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 14000	41.3	53.2	56.0	59.2	61.2	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 12000	41.9	54.4	57.2	60.4	62.6	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 10000	42.9	56.0	58.9	62.1	64.2	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 9000	43.3	56.4	59.3	62.5	64.7	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 8000	45.4	59.4	62.3	65.3	68.1	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 7000	46.3	60.7	63.6	67.3	69.7	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 6000	47.0	61.3	64.2	67.3	70.4	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 5000	48.9	63.4	66.3	70.3	73.0	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 4500	50.0	64.7	67.6	71.5	74.2	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 4000	51.7	67.2	70.1	74.1	77.0	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 3500	52.3	68.8	71.6	76.3	79.0	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 3000	54.6	72.7	76.0	80.4	83.7	83.9	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 2500	56.0	75.8	79.1	83.7	87.0	87.2	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 2000	57.3	79.0	82.6	87.1	90.4	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1800	57.3	79.4	83.0	87.5	90.9	91.3	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 1500	57.6	81.3	85.2	90.3	93.3	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1200	57.9	82.7	86.6	91.3	94.9	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1000	57.9	83.3	87.4	92.4	96.3	96.9	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 900	57.9	83.7	88.1	93.1	97.3	97.9	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 800	57.9	83.7	88.1	93.1	97.7	98.2	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	57.9	83.8	88.2	93.4	98.1	98.8	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	57.9	83.8	88.3	93.4	98.2	98.9	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	57.9	83.8	88.3	93.4	98.3	99.0	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	57.9	83.8	88.3	93.4	98.3	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	57.9	83.8	88.3	93.4	98.3	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	57.9	83.8	88.3	93.4	98.3	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	57.9	83.8	88.3	93.4	98.3	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	57.9	83.8	88.3	93.4	98.3	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75 54  
MONTH: SEP HOURS/LSIT: 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	39.6	50.8	53.3	55.3	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 20000	45.3	58.8	61.6	63.9	64.8	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 18000	45.3	58.8	61.6	63.9	64.8	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 16000	45.6	59.1	61.9	64.2	65.2	65.2	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 14000	46.2	59.9	62.7	65.3	66.0	66.0	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 12000	46.4	61.0	63.8	66.2	67.3	67.3	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 10000	47.8	63.3	66.2	68.7	69.9	69.9	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 9000	48.3	64.0	66.9	69.6	70.8	70.8	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 8000	50.1	66.3	69.2	71.9	73.1	73.1	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 7000	50.6	66.8	69.7	72.5	73.6	73.6	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 6000	51.2	67.9	70.8	73.5	74.8	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 5000	53.4	70.2	73.1	76.4	77.8	77.8	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 4500	54.4	71.5	74.5	77.7	79.0	79.0	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 4000	56.3	73.7	76.7	80.3	81.3	81.3	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 3500	58.8	76.7	79.9	83.4	84.8	84.8	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 3000	61.6	81.1	84.8	88.7	90.0	90.0	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 2500	62.7	83.0	87.2	91.2	92.9	92.9	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 2000	63.0	84.2	88.4	92.4	94.2	94.3	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 1800	63.1	84.6	88.8	92.3	94.6	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1500	63.1	86.1	90.3	94.7	96.6	96.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1200	63.1	86.8	91.0	95.3	97.2	97.3	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	63.1	87.1	91.4	96.2	98.2	98.3	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	63.1	87.2	91.6	96.3	98.4	98.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	63.1	87.2	91.6	96.5	98.7	98.8	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	63.1	87.2	91.6	96.5	98.7	98.8	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	63.1	87.2	91.6	96.5	98.9	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	63.1	87.2	91.6	96.5	98.9	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	63.1	87.2	91.6	96.5	98.9	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	63.1	87.2	91.6	96.5	98.9	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	63.1	87.2	91.6	96.5	98.9	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	63.1	87.2	91.6	96.5	98.9	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	63.1	87.2	91.6	96.5	98.9	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: SEP HOURS(IST): 1900-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	44.4	55.1	57.6	59.2	59.8	59.9	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 20000	49.1	62.1	64.8	66.3	67.8	67.9	68.0	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 18000	49.1	62.2	64.9	66.9	67.9	68.0	68.1	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 16000	49.3	62.4	65.1	67.1	68.1	68.2	68.3	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 14000	49.7	62.9	65.6	67.5	68.6	68.7	68.8	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 12000	50.9	65.2	68.0	70.1	71.1	71.2	71.3	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 10000	50.9	66.4	69.3	71.4	72.7	72.8	72.9	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 9000	51.7	67.6	70.4	72.5	73.8	73.9	74.0	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 8000	53.8	70.2	73.1	75.2	76.4	76.6	76.7	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 7000	54.3	71.0	74.0	76.2	77.4	77.6	77.7	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 6000	54.3	71.2	74.2	76.4	77.7	77.8	77.9	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 5000	56.8	74.1	77.2	79.5	80.8	80.9	81.0	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 4500	58.1	76.0	79.1	81.4	82.7	82.8	82.9	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 4000	60.0	79.6	82.6	85.2	86.6	86.7	86.8	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 3500	61.0	81.2	84.7	87.2	88.6	88.7	88.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 3000	62.9	83.9	87.6	90.3	91.8	91.9	92.0	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 2500	63.8	85.4	89.3	92.5	94.0	94.1	94.2	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 2000	64.2	86.3	90.4	93.7	95.1	95.3	95.4	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1800	64.3	86.7	90.8	94.3	95.6	95.8	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1500	64.6	87.6	91.9	95.5	97.4	97.7	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1200	64.6	87.7	92.1	95.9	97.9	98.1	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	64.6	87.7	92.2	95.9	98.0	98.3	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	64.6	87.9	92.4	96.1	98.2	98.7	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	64.6	87.9	92.4	96.1	98.3	98.8	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	64.6	87.9	92.4	96.1	98.3	98.8	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	64.6	88.0	92.6	96.3	98.8	99.2	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	64.6	88.0	92.6	96.3	98.8	99.2	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	64.6	88.0	92.6	96.3	98.8	99.2	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	64.6	88.0	92.6	96.3	98.8	99.2	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	64.6	88.0	92.6	96.3	98.8	99.2	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	64.6	88.0	92.6	96.3	98.8	99.2	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 0	64.6	88.0	92.6	96.3	98.8	99.2	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: SEP HOURS(LST): 2100-2103

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 1/8	
NO CEIL	47.0	56.7	58.1	59.9	62.0	62.1	62.1	62.2	62.2	62.2	62.4	62.4	62.6	62.6	62.6	62.5	
GE 20000	49.2	60.0	61.6	63.7	66.6	66.7	66.7	66.8	66.8	66.8	67.0	67.0	67.1	67.1	67.1	67.1	
GE 18000	49.2	60.2	61.8	63.9	66.8	66.9	66.9	67.0	67.0	67.0	67.2	67.2	67.3	67.3	67.3	67.3	
GE 16000	49.2	60.2	61.8	63.9	66.8	66.9	66.9	67.0	67.0	67.0	67.2	67.2	67.3	67.3	67.3	67.3	
GE 14000	49.7	60.7	62.3	64.4	67.3	67.4	67.4	67.6	67.6	67.6	67.8	67.8	67.9	67.9	67.9	67.9	
GE 12000	51.0	62.2	63.9	66.3	68.9	69.0	69.0	69.1	69.1	69.1	69.3	69.3	69.4	69.4	69.4	69.4	
GE 10000	52.1	64.7	66.7	68.9	71.7	71.8	71.8	71.9	71.9	71.9	72.1	72.1	72.2	72.2	72.2	72.2	
GE 9000	53.0	66.1	68.2	70.4	73.3	73.4	73.4	73.6	73.6	73.6	73.8	73.8	73.9	73.9	73.9	73.9	
GE 8000	55.0	68.7	70.8	73.1	76.0	76.1	76.1	76.2	76.2	76.2	76.4	76.4	76.6	76.6	76.6	76.6	
GE 7000	55.9	70.0	72.3	74.3	77.7	77.9	77.9	78.0	78.0	78.0	78.2	78.2	78.3	78.3	78.3	78.3	
GE 6000	56.8	71.2	73.6	76.3	78.9	79.1	79.1	79.2	79.2	79.2	79.4	79.4	79.6	79.6	79.6	79.6	
GE 5000	59.6	74.7	77.2	79.9	82.9	83.1	83.1	83.2	83.2	83.2	83.4	83.4	83.6	83.6	83.6	83.6	
GE 4500	60.8	76.0	78.7	81.4	84.4	84.7	84.7	84.8	84.8	84.8	85.0	85.0	85.1	85.1	85.1	85.1	
GE 4000	62.8	79.1	81.9	84.9	87.9	88.1	88.1	88.2	88.2	88.2	88.4	88.4	88.6	88.6	88.6	88.6	
GE 3500	63.4	80.0	82.9	86.3	89.1	89.3	89.3	89.4	89.4	89.4	89.7	89.7	89.8	89.8	89.8	89.8	
GE 3000	64.9	81.4	84.4	87.7	90.9	91.1	91.1	91.2	91.2	91.2	91.4	91.4	91.6	91.6	91.6	91.6	
GE 2500	65.4	82.7	85.6	89.4	92.7	93.0	93.0	93.1	93.1	93.1	93.3	93.3	93.4	93.4	93.4	93.4	
GE 2000	66.3	84.6	87.8	91.5	94.8	95.1	95.1	95.2	95.2	95.2	95.4	95.4	95.6	95.6	95.6	95.6	
GE 1800	66.3	84.7	87.9	91.7	95.0	95.3	95.3	95.4	95.4	95.4	95.7	95.7	95.8	95.8	95.8	95.8	
GE 1500	66.4	85.2	88.6	92.3	95.9	96.3	96.7	96.8	96.8	96.8	97.0	97.0	97.1	97.1	97.1	97.1	
GE 1200	66.4	85.7	89.1	92.9	96.4	96.9	97.2	97.3	97.3	97.3	97.6	97.6	97.7	97.7	97.7	97.7	
GE 1000	66.4	85.8	89.2	93.3	96.7	97.1	97.6	97.7	97.7	97.7	97.9	97.9	98.0	98.0	98.0	98.3	
GE 900	66.4	85.9	89.3	93.1	96.9	97.3	97.8	97.9	97.9	97.9	98.1	98.1	98.2	98.2	98.2	98.2	
GE 800	66.4	85.9	89.3	93.1	97.0	97.4	97.9	98.0	98.0	98.0	98.2	98.2	98.3	98.3	98.3	98.3	
GE 700	66.4	85.9	89.3	93.2	97.1	97.8	98.3	98.4	98.4	98.4	98.7	98.7	98.8	98.8	98.8	98.8	
GE 600	66.4	86.0	89.4	93.4	97.4	98.2	98.8	99.0	99.0	99.0	99.2	99.2	99.3	99.3	99.3	99.3	
GE 500	66.4	86.1	89.6	93.7	97.7	98.4	99.2	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	
GE 400	66.4	86.1	89.6	93.7	97.8	98.6	99.3	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	
GE 300	66.4	86.1	89.6	93.7	97.8	98.6	99.3	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	
GE 200	66.4	86.1	89.6	93.7	97.8	98.6	99.3	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	
GE 100	66.4	86.1	89.6	93.7	97.8	98.6	99.3	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	
GE DJ	66.4	86.1	89.6	93.7	97.8	98.6	99.3	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 1/8
NO CEIL	36.5	46.4	49.3	51.2	54.9	55.9	56.7	57.4	57.7	57.9	58.2	58.2	58.4	58.4	58.5	58.5
GE 20000	39.6	50.9	54.0	56.9	60.3	61.4	62.4	63.2	63.5	63.8	64.0	64.0	64.2	64.2	64.3	64.4
GE 18000	39.7	51.1	54.2	57.1	60.5	61.6	62.6	63.3	63.7	63.9	64.2	64.2	64.4	64.4	64.5	64.6
GE 16000	39.7	51.2	54.3	57.2	60.7	61.8	62.8	63.5	63.9	64.1	64.4	64.4	64.6	64.6	64.7	64.8
GE 14000	40.1	51.7	54.9	57.3	61.3	62.4	63.4	64.1	64.5	64.7	65.0	65.0	65.2	65.2	65.3	65.4
GE 12000	41.0	53.1	56.3	59.9	62.9	64.0	65.1	65.8	66.1	66.4	66.6	66.6	66.7	66.8	67.0	67.3
GE 10000	42.0	55.1	58.4	61.5	65.3	66.5	67.5	68.3	68.6	68.9	69.2	69.2	69.4	69.4	69.5	69.5
GE 9000	42.6	55.8	59.2	62.5	66.1	67.3	68.4	69.1	69.5	69.7	70.0	70.0	70.2	70.2	70.3	70.4
GE 8000	44.5	58.3	61.7	65.2	68.9	70.1	71.2	72.0	72.3	72.6	72.8	72.9	73.1	73.1	73.2	73.2
GE 7000	45.2	59.4	62.9	66.4	70.3	71.6	72.6	73.5	73.8	74.1	74.3	74.4	74.6	74.6	74.7	74.7
GE 6000	46.0	60.6	64.1	67.7	71.5	72.9	73.9	74.8	75.1	75.4	75.7	75.7	75.9	75.9	76.0	76.3
GE 5000	47.9	62.7	66.3	70.1	74.0	75.4	76.5	77.3	77.7	77.9	78.2	78.2	78.4	78.4	78.5	78.6
GE 4500	49.7	63.8	67.4	71.2	75.3	76.7	77.8	78.7	79.1	79.3	79.6	79.6	79.8	79.8	79.9	80.0
GE 4000	50.2	66.0	69.8	73.7	78.0	79.3	80.5	81.4	81.8	82.1	82.3	82.3	82.5	82.5	82.7	82.7
GE 3500	51.1	67.3	71.3	75.3	79.6	80.9	82.1	83.1	83.5	83.8	84.0	84.0	84.2	84.2	84.4	84.4
GE 3000	52.6	69.7	73.9	78.1	82.6	83.9	85.1	86.2	86.6	86.8	87.1	87.1	87.3	87.3	87.4	87.5
GE 2500	53.2	71.0	75.4	79.3	84.3	85.7	86.9	87.9	88.3	88.6	88.9	88.9	89.1	89.1	89.2	89.3
GE 2000	53.8	72.4	77.0	81.4	86.0	87.5	88.7	89.8	90.3	90.5	90.8	90.8	91.0	91.0	91.1	91.2
GE 1800	53.9	72.7	77.2	81.7	86.3	87.8	89.0	90.1	90.6	90.8	91.1	91.1	91.3	91.3	91.4	91.5
GE 1500	54.1	73.9	78.6	83.3	88.2	89.8	91.0	92.2	92.6	92.9	93.2	93.2	93.4	93.4	93.5	93.6
GE 1200	54.4	74.8	79.7	84.5	89.4	91.1	92.4	93.6	94.0	94.3	94.6	94.6	94.8	94.8	94.9	95.3
GE 1000	54.5	75.3	80.3	85.3	90.4	92.1	93.5	94.8	95.2	95.5	95.8	95.8	96.0	96.0	96.1	96.2
GE 900	54.6	75.6	80.7	85.7	91.0	92.7	94.1	95.5	96.0	96.3	96.5	96.5	96.7	96.7	96.9	96.9
GE 800	54.7	75.8	81.0	86.1	91.5	93.3	94.8	96.2	96.6	96.9	97.2	97.2	97.4	97.4	97.5	97.6
GE 700	54.7	75.9	81.2	86.9	91.9	93.8	95.3	96.7	97.2	97.5	97.8	97.8	98.0	98.0	98.2	98.2
GE 600	54.7	75.9	81.3	86.5	92.3	94.4	95.9	97.4	97.9	98.2	98.5	98.5	98.7	98.7	98.9	98.9
GE 500	54.7	76.0	81.5	86.7	92.5	94.6	96.2	97.8	98.3	98.7	98.9	99.0	99.2	99.2	99.3	99.4
GE 400	54.7	76.0	81.5	86.3	92.6	94.7	96.3	98.0	98.5	98.8	99.1	99.2	99.4	99.4	99.6	99.6
GE 300	54.7	76.0	81.5	86.3	92.6	94.7	96.3	98.0	98.5	98.9	99.2	99.2	99.5	99.5	99.6	99.7
GE 200	54.7	76.0	81.5	86.3	92.6	94.7	96.3	98.0	98.5	98.9	99.2	99.2	99.5	99.5	99.7	99.8
GE 100	54.7	76.0	81.5	86.3	92.6	94.7	96.3	98.0	98.5	98.9	99.2	99.3	99.5	99.5	99.7	99.9
GE 0	54.7	76.0	81.5	86.3	92.6	94.7	96.3	98.0	98.5	98.9	99.2	99.3	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 7230

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: OCT HOURS/ELST: 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	45.2	49.4	50.5	51.3	52.5	52.9	52.9	53.3	53.3	53.4	53.5	53.5	53.9	53.9	53.9	54.0
GE 20000	49.5	52.9	54.3	55.1	56.3	56.8	56.9	57.3	57.3	57.4	57.5	57.5	57.8	57.8	57.8	58.0
GE 18000	49.5	52.9	54.3	55.1	56.3	56.8	56.9	57.3	57.3	57.4	57.5	57.5	57.8	57.8	57.8	58.0
GE 16000	48.5	52.9	54.3	55.1	56.3	56.8	56.9	57.3	57.3	57.4	57.5	57.5	57.8	57.8	57.8	58.0
GE 14000	49.6	54.1	55.5	56.2	57.5	58.0	58.1	58.5	58.5	58.6	58.7	58.7	59.0	59.0	59.0	59.1
GE 12000	50.4	54.9	56.3	57.1	58.4	58.8	58.9	59.4	59.4	59.5	59.6	59.6	59.9	59.9	59.9	60.0
GE 10000	52.8	57.7	59.1	59.9	61.4	61.4	61.9	62.4	62.4	62.5	62.6	62.6	62.9	62.9	62.9	63.0
GE 9000	53.1	58.1	59.5	60.2	61.7	62.1	62.3	62.7	62.7	62.8	62.9	62.9	63.2	63.2	63.2	63.3
GE 8000	54.5	59.6	61.1	61.9	63.7	64.1	64.2	64.6	64.6	64.7	64.8	64.8	65.2	65.2	65.2	65.3
GE 7000	56.9	62.7	64.2	65.1	66.8	67.2	67.3	68.0	68.0	68.1	68.2	68.2	68.5	68.5	68.5	68.6
GE 6000	57.8	64.3	65.8	66.7	68.4	68.8	68.9	69.6	69.6	69.7	69.8	69.8	70.1	70.1	70.1	70.2
GE 5000	61.0	68.5	70.0	71.3	72.9	73.3	73.5	74.2	74.2	74.3	74.4	74.4	74.7	74.7	74.7	74.8
GE 4500	63.0	70.8	72.3	73.3	75.8	76.2	76.5	77.1	77.1	77.2	77.3	77.3	77.6	77.6	77.6	77.7
GE 4000	63.8	72.0	73.9	74.9	77.6	78.1	78.3	78.9	78.9	79.0	79.1	79.1	79.5	79.5	79.5	79.6
GE 3500	65.1	73.7	75.5	76.5	79.4	79.8	80.0	80.8	80.8	80.9	81.0	81.0	81.3	81.3	81.3	81.4
GE 3000	66.1	74.7	76.6	77.3	80.9	81.3	81.8	82.7	82.7	82.8	82.9	82.9	83.2	83.2	83.2	83.3
GE 2500	67.1	75.8	77.8	79.4	82.4	82.8	83.3	84.2	84.2	84.3	84.4	84.4	84.7	84.7	84.7	84.8
GE 2000	67.8	77.1	79.4	81.3	84.4	84.8	85.5	86.3	86.3	86.5	86.6	86.6	86.9	86.9	86.9	87.0
GE 1800	67.8	77.1	79.4	81.3	84.4	84.8	85.7	86.6	86.6	86.7	86.8	86.8	87.1	87.1	87.1	87.2
GE 1500	69.0	79.4	81.6	84.1	88.0	88.7	89.8	90.6	90.6	90.8	90.9	90.9	91.2	91.2	91.2	91.3
GE 1200	69.9	80.2	82.7	84.9	89.0	89.8	90.9	91.7	91.7	91.8	91.9	91.9	92.3	92.3	92.3	92.4
GE 1000	70.1	80.5	83.4	86.2	90.8	91.7	93.0	93.9	93.9	94.0	94.1	94.1	94.4	94.4	94.4	94.5
GE 900	70.1	80.9	83.6	86.5	91.1	92.0	93.3	94.2	94.2	94.3	94.4	94.4	94.7	94.7	94.7	94.8
GE 800	70.2	81.2	84.2	87.2	91.7	92.7	94.0	94.8	94.8	94.9	95.1	95.1	95.4	95.4	95.4	95.5
GE 700	70.3	81.6	84.8	87.3	92.5	93.4	94.9	95.8	95.8	95.9	96.0	96.0	96.3	96.3	96.3	96.5
GE 600	70.3	81.7	85.2	88.2	92.9	94.2	95.7	96.6	96.7	96.8	96.9	96.9	97.2	97.2	97.2	97.3
GE 500	70.3	81.9	85.6	88.5	93.5	94.8	96.7	97.6	97.7	98.1	98.2	98.2	98.5	98.5	98.5	98.6
GE 400	70.4	82.0	85.7	88.3	93.8	95.1	97.1	98.1	98.2	98.6	98.7	98.7	99.0	99.0	99.0	99.1
GE 300	70.4	82.0	85.7	88.3	93.8	95.1	97.1	98.1	98.2	98.6	98.7	98.7	99.0	99.0	99.0	99.1
GE 200	70.4	82.0	85.7	88.3	93.8	95.1	97.1	98.1	98.2	98.6	98.7	98.7	99.0	99.0	99.0	99.1
GE 100	70.4	82.0	85.7	88.3	93.8	95.1	97.1	98.1	98.2	98.6	98.7	98.7	99.1	99.1	99.1	99.4
GE 0	70.4	82.0	85.7	88.3	93.8	95.1	97.1	98.1	98.2	98.6	98.7	98.7	99.1	99.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: OCT HOURS(IST): 0300-0500

VISIBILITY IN STATUTE MILES																
CEILING IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	37.0	43.3	45.1	45.9	47.3	48.6	49.5	49.9	50.0	50.5	50.9	50.9	51.1	51.1	51.6	51.8
GE 20000	40.2	46.7	48.5	49.4	50.8	52.0	53.0	53.5	53.7	54.3	54.6	54.6	54.8	54.8	55.4	55.6
GE 18000	40.2	46.8	48.6	49.5	50.9	52.2	53.1	53.7	53.8	54.4	54.7	54.7	54.9	54.9	55.5	55.7
GE 16000	40.2	46.8	48.6	49.5	50.9	52.2	53.1	53.7	53.8	54.4	54.7	54.7	54.9	54.9	55.5	55.7
GE 14000	40.6	47.5	49.4	50.2	51.6	52.9	53.9	54.4	54.5	55.2	55.5	55.5	55.7	55.7	56.2	56.5
GE 12000	42.6	49.5	51.3	52.2	53.5	54.8	55.8	56.3	56.5	57.1	57.4	57.4	57.6	57.6	58.2	58.4
GE 10000	45.1	51.9	53.8	54.6	56.0	57.3	58.4	59.0	59.1	59.8	60.1	60.1	60.3	60.3	60.9	61.1
GE 9000	45.2	52.0	53.9	54.7	56.1	57.4	58.5	59.1	59.2	59.9	60.2	60.2	60.4	60.4	61.0	61.2
GE 8000	47.1	54.1	56.6	57.4	59.4	60.6	61.7	62.4	62.5	63.1	63.4	63.4	63.7	63.7	64.2	64.4
GE 7000	48.2	55.4	58.0	58.9	61.0	62.3	63.4	64.1	64.2	64.8	65.2	65.2	65.4	65.4	65.9	66.1
GE 6000	49.4	56.7	59.4	60.3	62.4	63.7	64.8	65.6	65.7	66.3	66.7	66.7	66.9	66.9	67.4	67.6
GE 5000	52.9	60.8	64.0	64.9	67.0	68.3	69.5	70.2	70.3	71.0	71.3	71.3	71.5	71.5	72.0	72.3
GE 4500	55.6	64.0	67.2	68.2	70.6	71.9	73.1	74.0	74.1	74.7	75.1	75.1	75.3	75.3	75.8	76.0
GE 4000	56.1	64.9	68.3	69.4	72.2	73.7	74.8	75.7	75.8	76.5	76.8	76.8	77.0	77.0	77.5	77.7
GE 3500	57.5	66.5	69.8	70.9	73.8	75.3	76.5	77.3	77.4	78.1	78.4	78.4	78.6	78.6	79.1	79.4
GE 3000	58.6	67.6	71.2	72.3	75.3	76.8	78.0	78.8	78.9	79.6	79.9	79.9	80.1	80.1	80.6	80.9
GE 2500	59.9	69.8	73.2	74.3	77.5	79.0	80.2	81.1	81.2	81.8	82.2	82.2	82.4	82.4	82.9	83.1
GE 2000	60.2	70.6	74.1	75.2	78.5	80.0	81.3	82.2	82.3	82.9	83.2	83.2	83.4	83.4	84.0	84.2
GE 1800	60.5	71.0	74.5	75.5	78.9	80.5	81.9	82.8	82.9	83.5	83.9	83.9	84.1	84.1	84.6	84.8
GE 1500	61.3	72.3	75.8	77.2	80.8	82.5	83.9	84.8	85.1	85.7	86.0	86.0	86.2	86.2	86.8	87.0
GE 1200	62.6	73.6	77.5	79.2	83.1	84.9	86.3	87.3	87.5	88.2	88.5	88.5	88.7	88.7	89.2	89.5
GE 1000	63.0	74.5	78.4	80.2	84.5	86.7	88.2	89.1	89.4	90.0	90.3	90.3	90.5	90.5	91.1	91.3
GE 900	63.3	74.8	78.9	80.3	85.2	87.5	89.4	90.4	90.6	91.3	91.6	91.6	91.8	91.8	92.4	92.6
GE 800	63.3	75.3	79.5	81.3	86.1	88.6	90.4	91.5	91.7	92.4	92.7	92.7	92.9	92.9	93.4	93.7
GE 700	63.8	75.7	79.9	81.9	87.3	90.1	92.0	93.1	93.3	94.0	94.3	94.3	94.5	94.5	95.1	95.3
GE 600	63.8	75.7	79.9	81.9	87.4	90.3	92.5	93.7	93.9	94.5	94.8	94.8	95.1	95.1	95.6	95.8
GE 500	63.8	75.9	80.3	82.4	88.2	91.4	93.7	94.8	95.1	95.8	96.1	96.1	96.3	96.3	96.9	97.1
GE 400	63.8	75.9	80.4	82.7	88.6	91.8	94.4	95.7	95.9	96.8	97.1	97.1	97.3	97.3	97.8	98.1
GE 300	63.8	75.9	80.4	82.7	88.6	91.8	94.4	95.7	96.0	97.1	97.6	97.6	97.8	97.8	98.4	98.6
GE 200	63.8	75.9	80.4	82.7	88.6	91.8	94.4	95.7	96.0	97.1	97.6	97.6	98.0	98.0	98.5	98.7
GE 100	63.8	75.9	80.4	82.7	88.6	91.8	94.4	95.7	96.0	97.1	97.6	97.6	98.2	98.2	98.7	99.0
GE 0	63.8	75.9	80.4	82.7	88.6	91.8	94.4	95.7	96.0	97.1	97.6	97.6	98.2	98.2	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: OCT HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3/8	GE 1/8	GE 1/16
NO CEIL	24.7	35.7	38.2	40.1	43.1	44.0	44.8	45.9	46.2	46.9	47.1	47.1	47.6	47.7	48.3	49.0		
GE 20000	26.5	38.2	40.9	42.9	46.2	47.1	48.0	49.0	49.4	50.0	50.2	50.2	50.8	50.9	51.4	52.2		
GE 18000	26.5	38.3	41.0	43.1	46.3	47.2	48.1	49.1	49.5	50.1	50.3	50.3	50.9	51.3	51.5	52.3		
GE 16000	26.5	38.3	41.0	43.1	46.3	47.2	48.1	49.1	49.5	50.1	50.3	50.3	50.9	51.3	51.5	52.3		
GE 14000	26.6	38.5	41.2	43.3	46.7	47.5	48.4	49.5	49.8	50.4	50.6	50.6	51.2	51.3	51.8	52.6		
GE 12000	27.4	39.9	42.6	44.3	48.2	49.0	49.9	51.0	51.3	51.9	52.2	52.2	52.7	52.8	53.3	54.1		
GE 10000	30.1	43.1	45.8	48.1	51.4	52.3	53.1	54.3	54.8	55.5	55.7	55.7	56.2	56.3	56.9	57.6		
GE 9000	30.4	43.4	46.1	48.4	51.7	52.6	53.4	54.6	55.2	55.8	56.0	56.0	56.6	56.7	57.2	58.3		
GE 8000	32.4	45.9	49.1	51.5	55.1	55.9	56.8	58.0	58.5	59.1	59.4	59.4	59.9	60.0	60.5	61.3		
GE 7000	32.9	46.9	50.1	52.7	56.3	57.3	58.2	59.6	60.1	60.8	61.0	61.0	61.6	61.7	62.3	63.0		
GE 6000	34.2	48.4	51.7	54.3	58.0	58.9	59.8	61.2	61.7	62.4	62.6	62.6	63.2	63.3	63.9	64.6		
GE 5000	37.0	52.0	55.6	58.2	61.8	62.8	63.7	65.1	65.6	66.2	66.5	66.5	67.1	67.2	67.7	68.5		
GE 4500	39.2	55.1	58.9	61.5	65.4	66.5	67.3	68.9	69.5	70.1	70.3	70.3	71.0	71.1	71.6	72.4		
GE 4000	40.1	56.6	60.5	63.2	67.2	68.4	69.5	71.2	71.7	72.4	72.6	72.6	73.2	73.3	73.9	74.6		
GE 3500	40.8	57.5	61.7	64.4	68.4	69.7	70.8	72.5	73.0	73.7	73.9	73.9	74.5	74.6	75.2	75.9		
GE 3000	41.8	59.1	63.5	66.2	70.2	71.5	72.6	74.3	74.8	75.5	75.7	75.7	76.3	76.5	77.0	77.7		
GE 2500	42.9	60.8	65.6	68.4	72.6	73.9	74.9	76.7	77.2	77.8	78.1	78.1	78.7	78.8	79.4	80.1		
GE 2000	41.7	62.3	67.1	70.2	74.8	76.1	77.2	79.0	79.6	80.2	80.4	80.4	81.1	81.2	81.7	82.5		
GE 1800	44.3	63.0	68.1	71.3	75.6	76.9	78.0	79.8	80.3	81.0	81.2	81.2	81.8	81.9	82.5	83.2		
GE 1500	45.2	64.3	69.6	72.6	77.6	79.1	80.2	82.0	82.7	83.3	83.5	83.5	84.2	84.3	84.8	85.6		
GE 1200	45.5	65.1	70.8	74.4	79.7	81.3	82.4	84.3	84.9	85.6	85.8	85.8	86.5	86.6	87.1	87.8		
GE 1000	45.6	65.8	71.7	75.5	81.1	82.9	84.0	86.0	86.7	87.3	87.5	87.5	88.2	88.3	88.8	89.6		
GE 900	45.6	66.0	72.0	75.9	81.6	83.9	85.2	87.3	88.0	88.6	88.8	88.8	89.5	89.6	90.1	90.9		
GE 800	45.8	66.8	72.8	76.7	82.9	85.3	86.8	89.0	89.7	90.3	90.5	90.5	91.2	91.3	91.8	92.6		
GE 700	45.9	67.4	73.4	77.5	83.9	86.3	87.8	90.3	91.0	91.6	91.8	91.8	92.5	92.6	93.1	93.9		
GE 600	45.9	67.4	73.4	78.3	84.3	86.8	88.3	91.0	91.6	92.3	92.5	92.5	93.1	93.2	93.8	94.5		
GE 500	45.9	67.4	73.7	78.3	84.8	87.4	89.1	91.8	92.7	93.7	93.9	93.9	94.5	94.6	95.2	95.9		
GE 400	46.0	67.5	73.8	78.4	84.9	87.8	89.6	92.3	93.1	94.4	94.6	94.6	95.3	95.4	95.9	96.7		
GE 300	46.0	67.5	73.8	78.4	84.9	88.0	89.7	92.5	93.3	94.7	94.9	94.9	95.8	95.9	96.5	97.3		
GE 200	46.0	67.5	73.8	78.4	84.9	88.0	89.7	92.6	93.4	94.8	95.2	95.2	96.1	96.2	96.8	97.7		
GE 100	46.0	67.5	73.8	78.4	84.9	88.0	89.7	92.7	93.5	94.9	95.3	95.3	96.3	96.7	97.5	98.8		
GE 0	46.0	67.5	73.8	78.4	84.9	88.0	89.7	92.7	93.5	94.9	95.3	95.3	96.3	96.7	97.7	100.0		

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: OCT HOURS(EST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE J
NO CEIL	29.9	40.5	42.5	44.1	45.5	46.3	46.9	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 20000	33.2	45.7	47.6	49.2	50.8	51.6	52.2	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 18000	33.3	45.9	47.8	49.5	51.0	51.8	52.4	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 16000	33.4	46.0	48.0	49.5	51.1	51.9	52.5	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 14000	34.0	46.7	48.6	50.2	51.7	52.6	53.1	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 12000	34.8	48.3	50.4	52.3	53.5	54.4	54.9	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 10000	36.7	51.0	53.2	54.3	56.6	57.4	58.0	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 9000	37.1	51.7	54.0	55.2	57.3	58.2	58.7	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 8000	38.1	54.1	56.5	58.2	59.9	60.8	61.3	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 7000	38.8	55.6	58.1	59.3	61.7	62.6	63.1	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 6000	39.2	56.5	58.9	60.5	62.6	63.4	64.0	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 5000	41.2	58.9	61.6	63.7	65.9	66.8	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 4500	41.9	59.9	62.8	64.3	67.3	68.2	68.9	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 4000	43.1	61.5	64.4	66.7	69.4	70.2	71.1	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 3500	44.3	63.5	66.5	68.7	71.4	72.4	73.2	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 3000	45.8	65.6	68.5	70.3	73.7	74.6	75.5	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 2500	47.5	67.7	70.9	73.2	76.1	77.1	78.0	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 2000	48.8	69.5	72.7	75.3	78.5	79.5	80.3	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 1800	49.2	70.3	73.7	76.2	79.6	80.5	81.4	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 1500	49.6	72.2	76.2	79.1	82.9	83.9	84.7	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 1200	50.0	72.9	77.2	80.3	84.2	85.2	86.0	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 1000	50.5	74.3	78.7	82.2	86.7	87.6	88.5	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 900	50.6	74.9	79.4	83.1	88.0	89.0	90.0	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 800	51.3	75.9	80.5	84.5	89.5	90.9	91.9	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 700	51.4	76.2	80.9	84.3	90.5	92.2	93.3	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 600	51.4	76.5	81.2	85.3	91.3	93.3	94.8	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 500	51.4	76.5	81.2	85.3	91.6	93.7	95.6	96.7	96.9	97.1	97.1	97.1	97.1	97.2	97.2	97.2
GE 400	51.4	76.5	81.2	85.4	91.7	93.9	95.8	97.0	97.4	97.8	98.0	98.0	98.1	98.1	98.1	98.2
GE 300	51.4	76.5	81.2	85.4	91.9	94.1	96.1	97.4	98.1	98.5	98.7	98.7	98.8	98.8	98.8	99.0
GE 200	51.4	76.5	81.2	85.4	91.9	94.1	96.1	97.4	98.1	98.5	98.9	98.9	99.1	99.1	99.1	99.4
GE 100	51.4	76.5	81.2	85.4	91.9	94.1	96.1	97.4	98.1	98.5	98.9	98.9	99.1	99.1	99.4	99.9
GE 0	51.4	76.5	81.2	85.4	91.9	94.1	96.1	97.4	98.1	98.5	98.9	98.9	99.1	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/TAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: OCT HOURS(EST): 1200-2400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	35.4	45.7	46.7	47.3	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 20000	40.6	52.3	53.8	54.5	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 18000	40.6	52.3	53.8	54.5	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 16000	40.6	52.3	53.8	54.5	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 14000	40.9	52.6	54.1	54.8	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 12000	41.1	53.0	54.5	55.3	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 10000	43.3	55.8	57.3	58.1	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 9000	43.5	56.1	57.6	58.4	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 8000	44.4	58.3	59.9	60.5	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 7000	44.8	58.8	60.5	61.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 6000	45.2	59.5	61.3	62.2	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 5000	47.4	62.2	64.1	64.9	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 4500	48.6	63.5	65.6	66.5	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 4000	50.2	65.5	67.6	68.5	70.2	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 3500	52.7	68.6	70.8	71.5	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 3000	55.7	72.5	74.7	75.3	77.7	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 2500	59.0	76.8	79.2	80.5	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 2000	60.5	79.4	81.9	83.3	85.6	86.0	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 1800	60.9	80.0	82.6	84.3	86.2	86.7	87.1	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 1500	61.3	81.5	84.2	85.3	88.2	88.6	89.0	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 1200	61.9	83.5	86.7	88.3	91.0	91.4	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1000	62.2	84.8	88.4	90.1	93.3	93.4	93.9	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 900	62.5	85.6	89.1	91.2	94.3	94.8	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 800	63.0	86.1	89.9	92.2	95.4	96.1	96.6	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 700	63.1	86.5	90.3	92.5	96.0	96.8	97.3	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 600	63.1	86.7	90.5	93.1	97.1	97.8	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	63.1	86.8	90.6	93.4	97.7	98.5	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	63.1	86.8	90.6	93.4	97.7	98.5	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	63.1	86.8	90.6	93.4	97.7	98.5	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	63.1	86.8	90.6	93.4	97.7	98.5	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	63.1	86.8	90.6	93.4	97.7	98.5	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	63.1	86.8	90.6	93.4	97.7	98.5	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: OCT HOURS (LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	37.7	43.5	44.9	45.5	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 20000	44.7	51.4	52.8	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 18000	44.9	51.6	53.0	53.5	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 16000	44.9	51.6	53.0	53.5	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 14000	45.6	52.5	53.9	54.4	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 12000	45.9	52.8	54.2	54.7	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 10000	48.3	56.2	57.6	58.2	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 9000	48.6	56.7	58.1	58.5	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 8000	50.6	59.4	60.9	61.4	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 7000	51.6	61.0	62.5	63.0	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 6000	52.5	61.8	63.3	63.7	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 5000	55.5	65.1	66.7	67.2	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 4500	57.4	67.2	68.8	69.4	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 4000	60.5	70.8	72.8	73.3	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 3500	64.1	74.6	76.8	77.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 3000	67.0	78.4	81.0	81.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 2500	68.6	81.3	83.9	84.7	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 2000	70.2	83.8	86.6	87.5	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 1800	70.3	84.5	87.3	88.4	90.1	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 1500	71.2	85.7	88.5	89.5	91.6	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1200	71.4	86.6	89.4	90.5	93.4	93.9	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1000	72.0	87.4	90.4	92.5	95.5	96.1	96.5	96.6	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1
GE 900	72.2	87.5	90.5	92.7	95.9	96.6	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 800	72.3	88.0	91.0	93.3	96.3	97.0	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 700	72.3	88.4	91.4	93.5	96.9	97.6	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 600	72.4	88.5	91.7	94.1	97.2	98.0	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	72.4	88.5	91.7	94.4	97.5	98.3	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	72.4	88.5	91.7	94.4	97.5	98.3	99.1	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	72.4	88.5	91.7	94.4	97.5	98.3	99.1	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	72.4	88.5	91.7	94.4	97.5	98.3	99.1	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	72.4	88.5	91.7	94.4	97.5	98.3	99.1	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	72.4	88.5	91.7	94.4	97.5	98.3	99.1	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: OCT HOURS(LST): 1900-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	1	10	6	5	4	3	2	1 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	3/8
NO CEIL	43.5	46.3	47.3	48.2	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 20000	50.1	53.9	54.8	55.7	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 18000	50.5	54.3	55.3	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 16000	50.6	54.4	55.4	56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 14000	51.3	55.4	56.3	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 12000	51.8	56.0	57.0	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 10000	54.1	58.6	59.6	60.5	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 9000	54.3	58.9	59.9	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 8000	56.6	61.8	62.9	64.2	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 7000	59.0	65.2	66.2	67.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 6000	60.2	66.6	67.7	69.3	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 5000	63.1	69.7	70.9	72.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 4500	66.5	73.8	74.9	76.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 4000	67.6	75.3	76.6	78.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 3500	70.3	79.0	80.4	82.4	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 3000	71.5	81.0	82.6	84.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 2500	73.1	83.4	85.5	87.7	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 2000	74.2	84.8	86.9	89.4	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1800	74.3	85.1	87.1	89.6	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 1500	75.1	86.8	88.9	91.5	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1200	75.2	87.1	89.6	92.4	94.4	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1000	75.4	87.4	90.0	93.1	95.3	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 900	75.4	87.5	90.1	93.2	95.4	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 800	75.8	88.5	91.2	94.5	96.9	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 700	75.8	88.6	91.3	94.7	97.0	98.0	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 600	75.8	88.7	91.5	95.5	97.7	98.7	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	75.8	88.7	91.5	95.5	98.2	99.1	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	75.8	88.7	91.5	95.5	98.2	99.1	99.2	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	75.8	88.7	91.5	95.5	98.2	99.1	99.2	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	75.8	88.7	91.5	95.5	98.2	99.1	99.2	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	75.8	88.7	91.5	95.5	98.2	99.1	99.2	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	CE	75.8	88.7	91.5	95.5	98.2	99.1	99.2	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: OCT HOURS(EST): 2100 2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	50.3	53.1	54.1	54.6	55.5	55.8	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 20000	53.8	57.2	58.6	59.4	60.2	60.5	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 18000	53.9	57.3	58.7	59.5	60.3	60.6	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 16000	53.9	57.3	58.7	59.5	60.3	60.6	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 14000	54.7	58.3	59.7	60.4	61.3	61.6	62.0	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 12000	55.7	59.5	60.9	61.6	62.5	62.6	63.2	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 10000	56.6	60.8	62.2	62.9	63.8	64.1	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 9000	56.9	61.1	62.5	63.2	64.1	64.4	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 8000	60.2	64.8	66.5	67.3	68.3	68.6	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 7000	62.6	67.3	68.9	69.9	70.9	71.2	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 6000	63.9	68.8	70.5	71.6	72.6	72.9	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 5000	66.5	72.4	74.2	75.7	77.1	77.4	77.8	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 4500	69.1	75.4	77.2	79.1	80.9	81.2	81.7	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 4000	70.1	76.9	78.8	80.9	82.6	82.9	83.5	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 3500	71.6	78.7	80.6	82.7	84.4	84.7	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 3000	72.6	79.9	81.9	84.2	86.2	86.6	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 2500	74.0	81.6	84.1	86.3	88.4	88.8	89.5	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 2000	74.6	82.6	85.3	87.5	89.6	90.0	90.8	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1800	74.9	83.2	85.7	88.3	90.0	90.4	91.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 1500	75.6	85.1	87.8	90.3	92.5	93.2	94.0	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 1200	75.9	85.4	88.3	90.3	92.9	93.7	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1000	76.3	86.2	89.2	92.3	94.2	94.9	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 900	76.3	86.3	89.4	92.2	94.3	95.1	95.9	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 800	76.5	87.1	90.2	93.3	95.3	96.0	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 700	76.5	87.2	90.4	93.2	95.5	96.2	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 600	76.5	87.6	91.4	94.3	96.7	97.4	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 500	76.6	87.8	91.6	94.5	97.0	97.7	98.7	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	76.6	87.8	91.6	94.5	97.4	98.2	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	76.6	87.8	91.6	94.5	97.4	98.2	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	76.6	87.8	91.6	94.5	97.4	98.2	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	76.6	87.8	91.6	94.5	97.4	98.2	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	76.6	87.8	91.6	94.5	97.4	98.2	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: OCT HOURS(IST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	38.0	44.7	46.2	47.1	48.3	48.8	49.1	49.4	49.5	49.7	49.7	49.7	49.9	49.9	50.0	50.1
GE 20000	42.2	49.8	51.4	52.3	53.8	54.2	54.6	54.9	55.0	55.2	55.2	55.2	55.4	55.4	55.5	55.7
GE 18000	42.3	49.9	51.6	52.3	53.9	54.4	54.7	55.1	55.1	55.3	55.4	55.4	55.5	55.5	55.7	55.8
GE 16000	42.3	49.9	51.6	52.3	53.9	54.4	54.8	55.1	55.2	55.3	55.4	55.4	55.6	55.6	55.7	55.8
GE 14000	42.9	50.7	52.3	53.4	54.7	55.2	55.5	55.8	55.9	56.1	56.2	56.2	56.3	56.3	56.5	56.6
GE 12000	43.7	51.7	53.4	54.3	55.8	56.3	56.6	56.9	57.0	57.2	57.3	57.3	57.4	57.4	57.5	57.7
GE 10000	45.9	54.4	56.1	57.2	58.5	59.0	59.4	59.7	59.8	60.0	60.1	60.1	60.2	60.2	60.4	60.5
GE 9000	46.1	54.8	56.4	57.5	58.9	59.4	59.7	60.1	60.2	60.4	60.4	60.4	60.6	60.6	60.7	60.9
GE 8000	48.0	57.2	59.2	60.3	61.9	62.4	62.7	63.1	63.2	63.3	63.4	63.4	63.6	63.6	63.7	63.8
GE 7000	49.4	59.1	61.1	62.3	63.9	64.4	64.8	65.2	65.3	65.5	65.5	65.5	65.7	65.7	65.8	66.0
GE 6000	50.3	60.3	62.3	63.5	65.2	65.7	66.1	66.5	66.6	66.8	66.9	66.9	67.0	67.0	67.2	67.3
GE 5000	53.1	63.7	65.4	67.3	69.0	69.6	70.0	70.4	70.5	70.7	70.8	70.8	70.9	70.9	71.1	71.2
GE 4500	55.2	66.2	68.5	69.9	72.0	72.5	72.9	73.4	73.5	73.7	73.8	73.8	73.9	73.9	74.1	74.2
GE 4000	56.5	67.9	70.4	71.9	74.2	74.7	75.2	75.7	75.8	76.0	76.1	76.1	76.2	76.2	76.4	76.5
GE 3500	58.3	70.3	72.6	74.3	76.7	77.3	77.8	78.3	78.4	78.6	78.6	78.6	78.8	78.8	78.9	79.1
GE 3000	59.9	72.4	75.0	76.7	79.1	79.8	80.3	80.8	80.9	81.1	81.2	81.2	81.3	81.3	81.5	81.6
GE 2500	61.5	74.7	77.5	79.3	81.9	82.5	83.1	83.6	83.7	83.9	84.0	84.0	84.1	84.1	84.3	84.4
GE 2000	62.5	76.3	79.3	81.2	84.0	84.7	85.3	85.9	86.0	86.1	86.2	86.2	86.4	86.4	86.5	86.7
GE 1800	62.8	76.8	79.8	81.7	84.5	85.2	85.9	86.5	86.6	86.8	86.9	86.9	87.0	87.0	87.2	87.3
GE 1500	63.5	78.4	81.6	83.3	86.9	87.8	88.5	89.1	89.2	89.4	89.5	89.5	89.6	89.6	89.8	89.9
GE 1200	64.0	79.3	82.6	85.1	88.5	89.4	90.1	90.7	90.9	91.0	91.1	91.1	91.3	91.3	91.4	91.6
GE 1000	64.4	80.1	83.8	86.5	90.1	91.2	92.0	92.6	92.8	93.0	93.0	93.0	93.2	93.2	93.3	93.5
GE 900	64.5	80.5	84.2	87.3	90.7	91.9	92.8	93.5	93.6	93.8	93.9	93.9	94.0	94.0	94.2	94.3
GE 800	64.8	81.1	84.9	87.7	91.8	93.1	94.0	94.7	94.8	95.0	95.1	95.1	95.3	95.3	95.4	95.6
GE 700	64.9	81.5	85.3	88.3	92.4	93.8	94.9	95.6	95.8	96.0	96.1	96.1	96.2	96.2	96.4	96.5
GE 600	64.9	81.6	85.6	88.3	93.1	94.6	95.7	96.6	96.7	96.9	97.0	97.0	97.2	97.2	97.3	97.4
GE 500	64.9	81.7	85.8	89.1	93.6	95.1	96.4	97.4	97.5	97.9	98.0	98.0	98.1	98.2	98.3	98.4
GE 400	64.9	81.7	85.8	89.2	93.7	95.3	96.7	97.7	97.9	98.4	98.5	98.5	98.7	98.7	98.9	99.0
GE 300	64.9	81.7	85.8	89.2	93.8	95.4	96.8	97.8	98.1	98.6	98.8	98.8	98.9	99.0	99.1	99.3
GE 200	64.9	81.7	85.8	89.2	93.8	95.4	96.8	97.8	98.1	98.6	98.8	98.8	99.0	99.0	99.2	99.4
GE 100	64.9	81.7	85.8	89.2	93.8	95.4	96.8	97.8	98.1	98.6	98.8	98.8	99.1	99.1	99.3	99.6
GE 0	64.9	81.7	85.8	89.2	93.8	95.4	96.8	97.8	98.1	98.6	98.8	98.8	99.1	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: NOV HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	52.6	38.0	39.2	41.2	42.3	42.6	42.8	42.9	43.0	43.0	43.0	43.0	43.0	43.2	43.2	43.4	43.9
GE 20000	37.0	42.8	44.0	46.1	47.2	47.4	47.7	47.8	47.9	47.9	47.9	47.9	47.9	48.1	48.1	48.3	48.8
GE 18000	37.0	42.8	44.0	46.1	47.2	47.4	47.7	47.8	47.9	47.9	47.9	47.9	47.9	48.1	48.1	48.3	48.8
GE 16000	37.0	42.8	44.0	46.1	47.2	47.4	47.7	47.8	47.9	47.9	47.9	47.9	47.9	48.1	48.1	48.3	48.8
GE 14000	37.1	42.9	44.1	46.2	47.3	47.6	47.8	47.9	48.0	48.0	48.0	48.0	48.0	48.2	48.2	48.4	48.9
GE 12000	38.2	44.2	45.4	47.5	48.7	48.9	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.6	49.6	49.8	53.2
GE 10000	40.9	47.4	48.7	50.8	51.9	52.1	52.3	52.4	52.6	52.6	52.6	52.6	52.6	52.8	52.8	53.0	53.4
GE 9000	41.4	48.1	49.3	51.5	52.7	52.9	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.6	53.6	53.8	54.2
GE 8000	44.9	52.6	53.8	56.1	57.1	57.3	57.6	57.7	57.8	57.8	57.8	57.8	57.8	58.0	58.0	58.2	58.7
GE 7000	45.7	53.6	54.9	57.3	58.4	58.7	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.3	59.3	59.6	60.3
GE 6000	46.1	54.0	55.3	57.5	58.9	59.1	59.3	59.4	59.6	59.6	59.6	59.6	59.6	59.8	59.8	60.0	60.4
GE 5000	48.4	56.8	58.1	60.7	61.9	62.1	62.3	62.4	62.7	62.7	62.7	62.7	62.7	62.9	62.9	63.1	63.6
GE 4500	51.6	60.6	61.9	64.4	65.7	65.9	66.1	66.2	66.4	66.4	66.4	66.4	66.4	66.7	66.7	66.9	67.3
GE 4000	57.8	62.0	63.3	66.3	67.4	67.7	67.9	68.0	68.2	68.2	68.2	68.2	68.2	68.4	68.4	68.7	69.1
GE 3500	55.6	65.1	66.4	69.3	70.8	71.0	71.2	71.3	71.6	71.6	71.6	71.6	71.6	71.8	71.8	72.0	72.4
GE 3000	58.7	67.4	68.8	71.7	73.2	73.4	73.7	73.8	74.0	74.0	74.0	74.0	74.0	74.2	74.2	74.4	74.9
GE 2500	61.2	72.3	73.9	76.9	78.6	78.9	79.1	79.2	79.4	79.4	79.4	79.4	79.4	79.7	79.7	79.9	80.3
GE 2000	61.9	75.8	77.3	80.3	82.0	82.3	82.6	82.7	82.9	82.9	82.9	82.9	82.9	83.1	83.1	83.3	83.8
GE 1800	64.9	76.9	78.4	81.4	83.1	83.4	83.7	83.8	84.0	84.0	84.0	84.0	84.0	84.2	84.2	84.4	84.9
GE 1500	66.9	80.1	81.8	85.3	86.7	87.0	87.2	87.3	87.6	87.6	87.6	87.6	87.6	87.8	87.8	88.0	88.4
GE 1200	67.4	81.9	84.1	87.3	89.1	89.4	89.7	89.8	90.0	90.0	90.0	90.0	90.0	90.2	90.2	90.4	90.9
GE 1000	68.2	83.8	86.2	89.3	91.6	91.9	92.1	92.2	92.4	92.4	92.4	92.4	92.4	92.7	92.7	92.9	93.3
GE 900	68.7	84.6	87.2	90.9	92.9	93.2	93.4	93.6	93.8	93.8	93.8	93.8	93.8	94.0	94.0	94.2	94.7
GE 800	69.0	85.3	88.2	92.2	94.4	94.8	95.0	95.1	95.3	95.3	95.3	95.3	95.3	95.6	95.6	95.8	96.2
GE 700	69.0	85.8	88.7	92.3	95.2	95.6	96.1	96.2	96.4	96.4	96.4	96.4	96.4	96.7	96.7	96.9	97.3
GE 600	69.0	85.9	88.8	93.2	95.9	96.2	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.3	97.3	97.6	98.0
GE 500	69.0	85.9	88.8	93.2	95.9	96.3	96.9	97.0	97.2	97.3	97.3	97.3	97.3	97.6	97.6	97.8	98.2
GE 400	69.0	85.9	88.8	93.2	95.9	96.3	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.9	97.9	98.1	98.6
GE 300	69.0	85.9	88.8	93.2	95.9	96.3	97.0	97.3	97.7	98.0	98.0	98.0	98.0	98.2	98.2	98.4	98.9
GE 200	69.0	85.9	88.8	93.2	95.9	96.3	97.0	97.3	97.7	98.0	98.1	98.1	98.1	98.4	98.4	98.7	99.2
GE 100	69.0	85.9	88.8	93.2	95.9	96.3	97.0	97.3	97.7	98.0	98.1	98.1	98.1	98.6	98.6	98.9	99.9
GE 0	69.0	85.9	88.8	93.2	95.9	96.3	97.0	97.3	97.7	98.0	98.1	98.1	98.1	98.6	98.6	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: NOV HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	29.6	34.3	36.7	37.7	40.4	40.9	41.3	41.4	41.7	42.1	42.3	42.3	42.7	42.7	42.7	42.9
GE 20000	33.1	38.3	40.9	42.0	44.8	45.2	45.7	45.8	46.0	46.4	46.7	46.7	47.0	47.0	47.0	47.2
GE 18000	33.2	38.4	41.0	42.1	44.9	45.3	45.8	45.9	46.1	46.6	46.8	46.8	47.1	47.1	47.1	47.3
GE 16000	33.2	38.4	41.0	42.1	44.9	45.3	45.8	45.9	46.1	46.6	46.8	46.8	47.1	47.1	47.1	47.3
GE 14000	33.3	38.6	41.1	42.2	45.0	45.4	45.9	46.0	46.2	46.7	46.9	46.9	47.2	47.2	47.2	47.4
GE 12000	34.0	39.6	42.1	43.2	46.0	46.4	46.9	47.0	47.2	47.7	47.9	47.9	48.2	48.2	48.2	48.4
GE 10000	36.6	42.6	45.1	46.2	49.0	49.4	49.9	50.0	50.2	50.7	50.9	50.9	51.2	51.2	51.2	51.4
GE 9000	36.9	42.9	45.4	46.5	49.3	49.8	50.2	50.3	50.6	51.0	51.2	51.2	51.6	51.6	51.6	51.8
GE 8000	39.1	46.8	49.3	50.7	53.7	54.1	54.6	54.7	54.9	55.3	55.6	55.6	55.9	55.9	55.9	56.1
GE 7000	40.1	48.6	51.2	52.9	56.0	56.4	56.9	57.0	57.2	57.7	57.9	57.9	58.2	58.2	58.2	58.4
GE 6000	40.4	48.9	51.6	53.3	56.4	56.9	57.3	57.4	57.7	58.1	58.3	58.3	58.7	58.7	58.7	58.9
GE 5000	41.8	50.6	53.2	55.1	58.3	58.8	59.2	59.3	59.6	60.0	60.2	60.2	60.6	60.6	60.6	60.8
GE 4500	45.3	54.6	57.2	59.1	62.3	62.8	63.3	63.4	63.7	64.1	64.3	64.3	64.7	64.7	64.7	64.9
GE 4000	47.8	57.3	60.0	62.0	65.2	65.7	66.2	66.3	66.6	67.0	67.2	67.2	67.6	67.6	67.6	67.8
GE 3500	50.4	60.3	63.0	65.0	68.2	68.7	69.2	69.3	69.6	70.0	70.2	70.2	70.6	70.6	70.6	70.8
GE 3000	52.3	62.2	64.9	66.9	70.2	70.8	71.3	71.4	71.7	72.1	72.3	72.3	72.7	72.7	72.7	72.9
GE 2500	54.9	66.0	68.8	70.9	74.3	75.0	75.6	75.7	75.9	76.3	76.6	76.6	76.9	76.9	76.9	77.1
GE 2000	57.4	69.2	72.1	74.4	78.1	78.8	79.3	79.4	79.7	80.1	80.3	80.3	80.7	80.7	80.7	80.9
GE 1800	58.0	70.3	73.4	75.3	79.4	80.1	80.7	80.8	81.0	81.4	81.7	81.7	82.0	82.0	82.0	82.2
GE 1500	60.8	74.2	77.6	80.0	83.8	84.4	85.0	85.1	85.3	85.8	86.0	86.0	86.3	86.3	86.3	86.6
GE 1200	62.1	76.3	79.9	83.0	86.8	87.6	88.1	88.2	88.4	88.9	89.1	89.1	89.4	89.4	89.4	89.7
GE 1000	63.2	78.3	82.0	85.1	89.2	90.0	90.7	90.8	91.0	91.4	91.7	91.7	92.0	92.0	92.0	92.2
GE 900	63.9	79.8	83.4	86.7	90.8	91.6	92.2	92.3	92.6	93.0	93.3	93.3	93.7	93.7	93.7	94.0
GE 800	64.1	80.2	84.1	87.5	91.8	92.6	93.2	93.3	93.6	94.0	94.3	94.3	94.7	94.7	94.7	95.0
GE 700	64.1	80.2	84.1	87.5	91.9	92.7	93.3	93.4	93.7	94.1	94.4	94.4	94.8	94.8	94.8	95.1
GE 600	64.1	80.2	84.2	87.3	92.2	93.0	93.7	93.8	94.0	94.4	94.8	94.8	95.1	95.1	95.2	95.4
GE 500	64.1	80.4	84.7	88.3	93.0	93.9	94.8	94.9	95.1	95.7	96.0	96.0	96.3	96.3	96.4	96.7
GE 400	64.1	80.4	84.7	88.3	93.0	94.1	95.2	95.4	95.8	96.7	97.0	97.0	97.3	97.3	97.4	97.7
GE 300	64.1	80.4	84.7	88.3	93.0	94.1	95.3	95.4	96.6	97.4	97.9	97.9	98.2	98.2	98.3	98.6
GE 200	64.1	80.4	84.7	88.3	93.0	94.1	95.3	95.4	96.6	97.4	98.2	98.2	98.6	98.6	98.7	98.9
GE 100	64.1	80.4	84.7	88.3	93.0	94.1	95.3	95.4	96.6	97.4	98.2	98.2	98.6	98.6	98.7	98.9
GE 0	64.1	80.4	84.7	88.3	93.0	94.1	95.3	95.4	96.6	97.4	98.2	98.2	98.6	98.6	98.7	98.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: NOV HOURS(IST): 3600-3800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	22.7	29.3	32.0	33.9	36.7	37.1	38.0	38.9	39.1	39.9	40.4	40.4	40.9	40.9	41.2	41.2
GE 20000	24.2	31.1	34.0	36.3	38.9	39.3	40.2	41.2	41.4	42.2	42.8	42.8	43.2	43.2	43.6	43.7
GE 18000	24.2	31.1	34.0	36.3	38.9	39.3	40.2	41.2	41.4	42.2	42.8	42.8	43.2	43.2	43.6	43.7
GE 16000	24.2	31.1	34.0	36.3	38.9	39.3	40.2	41.2	41.4	42.2	42.8	42.8	43.2	43.2	43.6	43.7
GE 14000	24.2	31.3	34.2	36.2	39.1	39.6	40.4	41.4	41.7	42.4	43.0	43.0	43.4	43.4	43.8	43.9
GE 12000	24.9	32.2	35.1	37.1	40.0	40.4	41.3	42.3	42.6	43.3	43.9	43.9	44.3	44.3	44.7	44.8
GE 10000	27.2	34.9	37.9	40.2	43.1	43.6	44.6	45.6	45.8	46.6	47.1	47.1	47.6	47.6	47.9	48.0
GE 9000	27.3	35.0	38.0	40.3	43.2	43.8	44.8	45.8	46.0	46.8	47.3	47.3	47.8	47.8	48.1	48.2
GE 8000	28.9	37.2	40.4	43.3	46.1	46.8	47.8	48.8	49.0	49.8	50.3	50.3	50.8	50.8	51.1	51.2
GE 7000	29.7	39.2	42.4	45.3	48.1	48.8	49.8	50.8	51.0	51.8	52.3	52.3	52.8	52.8	53.1	53.2
GE 6000	30.0	39.6	42.8	45.4	48.8	49.6	50.6	51.6	51.8	52.6	53.1	53.1	53.6	53.6	53.9	54.0
GE 5000	31.4	42.0	45.3	48.1	51.6	52.3	53.3	54.3	54.6	55.3	55.9	55.9	56.3	56.3	56.7	56.8
GE 4500	33.4	45.4	49.0	51.3	55.3	56.1	57.1	58.2	58.4	59.2	59.8	59.8	60.2	60.2	60.6	60.7
GE 4000	35.9	48.2	52.0	54.3	58.3	59.1	60.1	61.3	61.6	62.3	62.9	62.9	63.3	63.3	63.7	63.9
GE 3500	37.6	50.6	54.3	57.2	60.8	61.6	62.7	64.0	64.2	65.0	65.6	65.6	66.0	66.0	66.3	66.4
GE 3000	40.6	55.2	59.1	62.1	65.8	66.6	67.7	69.0	69.2	70.0	70.6	70.6	71.0	71.0	71.3	71.4
GE 2500	43.6	59.4	63.3	66.4	70.1	70.9	72.0	73.3	73.6	74.3	74.9	74.9	75.3	75.3	75.7	75.8
GE 2000	45.9	62.6	66.6	69.3	73.7	74.4	75.6	77.0	77.2	78.0	78.6	78.6	79.0	79.0	79.3	79.4
GE 1800	46.2	63.6	67.6	70.3	74.8	75.6	76.7	78.1	78.3	79.1	79.7	79.7	80.1	80.1	80.4	80.6
GE 1500	48.1	66.0	70.1	73.4	77.6	78.3	79.6	81.0	81.2	82.0	82.6	82.6	83.0	83.0	83.3	83.4
GE 1200	49.4	68.0	72.3	76.3	80.3	81.1	82.3	83.8	84.0	84.8	85.3	85.3	85.8	85.8	86.1	86.2
GE 1000	50.4	69.7	74.1	78.1	82.6	83.4	84.9	86.4	86.7	87.4	88.0	88.0	88.4	88.4	88.8	88.9
GE 900	50.9	70.9	75.6	79.7	84.3	85.3	86.8	88.3	88.6	89.3	90.1	90.1	90.6	90.6	90.9	91.0
GE 800	51.1	71.7	76.4	80.9	86.1	87.2	88.7	90.3	90.6	91.3	92.2	92.2	92.7	92.7	93.0	93.1
GE 700	51.1	71.8	76.7	81.2	86.6	87.7	89.2	90.9	91.1	91.9	92.8	92.8	93.2	93.2	93.6	93.7
GE 600	51.1	71.8	76.8	81.5	87.3	88.6	90.2	91.9	92.2	93.0	93.9	93.9	94.3	94.3	94.7	94.8
GE 500	51.1	72.0	77.2	82.1	87.9	89.7	91.6	93.2	93.9	94.8	95.7	95.7	96.1	96.1	96.4	96.6
GE 400	51.1	72.0	77.2	82.1	87.9	90.0	92.1	93.8	94.6	95.6	96.4	96.4	96.9	96.9	97.2	97.3
GE 300	51.1	72.0	77.2	82.1	87.9	90.0	92.1	93.9	94.7	95.7	96.8	96.8	97.2	97.2	97.6	97.7
GE 200	51.1	72.0	77.2	82.1	87.9	90.0	92.1	94.2	95.0	96.3	97.6	97.6	98.0	98.0	98.3	98.7
GE 100	51.1	72.0	77.2	82.1	87.9	90.0	92.1	94.2	95.0	96.3	97.8	97.9	98.3	98.3	98.8	99.8
GE 0	51.1	72.0	77.2	82.1	87.9	90.0	92.1	94.2	95.0	96.3	97.8	97.9	98.3	98.3	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: NOV HOURS(IST): 0900-1100

CEILING				VISIBILITY IN STATUTE MILES													
IN FEET	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE J
NO CEIL	22.6	31.6	33.9	35.1	36.7	37.3	37.7	37.9	38.2	38.4	38.7	38.7	38.8	38.8	38.8	38.8	38.9
GE 20000	24.4	34.8	37.4	38.7	40.6	41.2	41.6	41.8	42.1	42.3	42.7	42.9	43.1	43.1	43.2	43.2	43.2
GE 18000	24.8	35.3	38.0	39.2	41.1	41.8	42.1	42.3	42.7	42.9	43.1	43.1	43.1	43.2	43.2	43.2	43.3
GE 16000	24.8	35.3	38.0	39.2	41.1	41.8	42.1	42.3	42.7	42.9	43.1	43.1	43.1	43.2	43.2	43.2	43.3
GE 14000	24.9	35.6	38.2	39.4	41.3	42.0	42.3	42.6	42.9	43.1	43.3	43.3	43.3	43.4	43.4	43.4	43.6
GE 12000	26.2	37.2	39.9	41.2	43.1	43.8	44.1	44.3	44.7	44.9	45.1	45.1	45.1	45.2	45.2	45.2	45.3
GE 10000	26.8	38.9	41.6	43.3	45.2	45.9	46.2	46.4	46.8	47.0	47.2	47.2	47.2	47.3	47.3	47.3	47.4
GE 9000	27.1	39.4	42.1	43.9	45.8	46.4	46.8	47.0	47.3	47.6	47.8	47.8	47.8	47.9	47.9	47.9	48.0
GE 8000	27.7	41.6	44.6	46.3	48.3	49.0	49.3	49.6	49.9	50.1	50.3	50.3	50.3	50.4	50.4	50.4	50.6
GE 7000	28.9	43.6	46.7	48.5	50.6	51.2	51.6	51.8	52.1	52.3	52.6	52.6	52.6	52.7	52.7	52.7	52.8
GE 6000	29.1	44.0	47.1	49.0	51.0	51.8	52.1	52.3	52.7	52.9	53.1	53.1	53.1	53.2	53.2	53.2	53.3
GE 5000	30.3	46.0	49.2	51.2	53.3	54.1	54.4	54.7	55.0	55.2	55.4	55.4	55.4	55.6	55.6	55.6	55.7
GE 4500	31.8	48.0	51.2	53.3	55.4	56.2	56.6	56.8	57.1	57.3	57.6	57.6	57.6	57.7	57.7	57.7	57.8
GE 4000	33.7	50.2	53.6	55.3	57.9	58.8	59.2	59.4	59.8	60.0	60.2	60.2	60.2	60.3	60.3	60.3	60.4
GE 3500	35.3	53.1	56.4	58.7	60.8	61.7	62.2	62.4	62.8	63.0	63.2	63.2	63.2	63.3	63.3	63.3	63.4
GE 3000	37.6	56.2	59.6	62.1	64.6	65.6	66.1	66.3	66.7	67.0	67.2	67.2	67.2	67.3	67.3	67.3	67.4
GE 2500	40.9	60.4	64.2	66.7	69.3	70.6	71.2	71.4	71.8	72.1	72.3	72.3	72.3	72.6	72.6	72.6	72.7
GE 2000	44.1	64.6	68.9	71.7	74.3	75.6	76.4	76.7	77.0	77.3	77.6	77.6	77.6	77.8	77.8	77.8	77.9
GE 1800	44.6	66.0	70.4	73.2	76.0	77.3	78.2	78.4	78.9	79.2	79.4	79.4	79.6	79.8	79.8	79.8	79.9
GE 1500	46.4	69.0	73.7	76.4	79.6	81.2	82.1	82.3	82.9	83.2	83.4	83.6	83.8	83.8	83.8	83.8	83.9
GE 1200	47.4	71.0	75.9	78.3	82.1	83.8	84.7	84.9	85.8	85.8	86.0	86.1	86.1	86.3	86.3	86.3	86.4
GE 1000	47.7	71.9	76.9	80.1	84.0	85.8	86.9	87.3	87.9	88.3	88.6	88.7	88.9	88.9	88.9	88.9	89.0
GE 900	48.0	73.4	78.9	82.3	86.4	88.2	89.3	89.8	90.3	90.8	91.0	91.1	91.3	91.3	91.3	91.3	91.4
GE 800	48.0	74.0	80.0	83.7	88.2	90.1	91.2	91.7	92.2	92.8	93.0	93.1	93.6	93.6	93.6	93.6	93.7
GE 700	48.0	74.2	80.2	83.9	89.0	91.0	92.3	92.8	93.3	94.1	94.3	94.4	95.0	95.0	95.0	95.0	95.1
GE 600	48.2	74.6	80.8	84.4	90.1	92.3	93.7	94.4	95.0	95.8	96.0	96.1	96.7	96.7	96.7	96.7	96.8
GE 500	48.2	74.6	80.8	84.5	90.7	93.2	94.9	95.8	96.3	97.1	97.3	97.4	97.7	97.8	98.1	98.1	98.2
GE 400	48.2	74.6	80.8	84.5	90.7	93.3	95.1	96.0	96.7	97.4	97.7	97.8	98.3	98.6	98.6	98.6	98.7
GE 300	48.2	74.6	80.8	84.5	90.7	93.4	95.2	96.1	96.8	97.6	98.0	98.3	99.1	99.2	99.2	99.2	99.3
GE 200	48.2	74.6	80.8	84.5	90.7	93.4	95.2	96.1	96.8	97.6	98.0	98.3	99.1	99.2	99.2	99.2	99.3
GE 100	48.2	74.6	80.8	84.5	90.7	93.4	95.2	96.1	96.8	97.6	98.0	98.3	99.1	99.2	99.2	99.2	99.3
GE 0	48.2	74.6	80.8	84.5	90.7	93.4	95.2	96.1	96.8	97.6	98.0	98.3	99.1	99.2	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: NOV HOURS/ELST: 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	29.6	36.4	37.7	38.4	39.4	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 20000	33.3	41.8	43.1	43.7	45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 18000	33.4	41.9	43.2	44.3	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 16000	33.4	41.9	43.2	44.3	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 14000	34.0	42.8	44.1	44.7	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 12000	34.8	43.9	45.2	46.3	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 10000	35.9	46.3	47.7	48.4	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 9000	36.1	46.8	48.1	48.7	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 8000	36.8	48.6	49.9	50.7	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 7000	37.7	49.9	51.2	52.3	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 6000	37.8	50.4	51.8	52.5	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 5000	38.9	52.3	53.7	54.4	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 4500	39.8	53.6	55.0	55.3	56.9	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 4000	42.1	56.7	58.1	59.1	60.2	60.2	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 3500	44.3	59.8	61.3	62.3	63.4	63.4	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 3000	48.3	64.8	66.3	67.4	68.7	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 2500	52.0	70.0	71.8	72.7	74.6	74.7	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 2000	54.7	74.6	76.6	77.7	79.9	80.1	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 1800	55.2	75.9	77.9	79.2	81.2	81.4	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 1500	57.4	79.9	82.3	83.7	86.0	86.2	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 1200	58.1	83.0	85.4	87.2	89.7	89.9	90.4	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 1000	59.1	84.8	87.2	89.2	91.7	92.0	92.6	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 900	59.1	85.3	87.8	90.1	92.8	93.3	93.9	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 800	59.2	86.0	88.6	91.2	93.9	94.8	95.4	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 700	59.2	86.0	88.8	91.4	94.2	95.3	96.0	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 600	59.4	86.4	89.4	92.1	95.0	96.1	96.8	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 500	59.7	86.8	89.8	92.4	95.7	96.8	97.4	98.4	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 400	59.7	86.8	89.8	92.4	96.0	97.1	97.9	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 300	59.7	86.8	89.8	92.4	96.0	97.2	98.0	99.0	99.1	99.4	99.7	99.7	99.7	99.7	100.0	100.0
GE 200	59.7	86.8	89.8	92.4	96.0	97.2	98.0	99.0	99.1	99.4	99.7	99.7	99.7	99.7	100.0	100.0
GE 100	59.7	86.8	89.8	92.4	96.0	97.2	98.0	99.0	99.1	99.4	99.7	99.7	99.7	99.7	100.0	100.0
GE 0	59.7	86.8	89.8	92.4	96.0	97.2	98.0	99.0	99.1	99.4	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: NOV HOURS: 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	28.4	35.4	35.4	36.4	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	
GE 20000	34.3	42.2	42.4	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	
GE 18000	34.3	42.2	42.4	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	
GE 16000	34.4	42.4	43.1	43.3	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	
GE 14000	34.8	42.8	43.4	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	
GE 12000	36.4	44.6	45.2	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	
GE 10000	38.8	47.3	48.0	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	
GE 9000	38.8	47.4	48.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	
GE 8000	41.4	50.4	51.2	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	
GE 7000	42.1	52.2	53.0	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	
GE 6000	42.3	52.7	53.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	
GE 5000	43.7	54.7	55.4	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	
GE 4500	44.6	56.2	57.1	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	
GE 4000	47.6	59.7	60.6	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	
GE 3500	50.3	62.7	63.6	64.5	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	
GE 3000	55.9	68.8	69.7	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	
GE 2500	59.9	75.1	76.3	77.7	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	
GE 2000	62.7	80.6	81.9	83.5	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	
GE 1800	63.0	81.2	82.6	84.2	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	
GE 1600	64.8	84.0	85.3	87.2	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	
GE 1200	65.6	86.1	87.8	89.8	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	
GE 1000	66.1	87.4	89.3	91.3	92.7	93.1	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	
GE 900	66.2	87.8	89.8	92.1	93.9	94.3	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	
GE 800	66.4	88.2	90.6	92.9	94.8	95.1	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	
GE 700	66.4	88.9	91.2	93.5	95.7	96.2	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	
GE 600	66.4	89.0	91.4	93.8	95.9	96.4	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	
GE 500	66.6	89.1	91.6	94.3	96.3	97.2	98.3	98.8	98.9	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	
GE 400	66.6	89.1	91.7	94.1	96.4	97.3	98.4	98.9	99.0	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	
GE 300	66.6	89.1	91.7	94.1	96.4	97.3	98.4	98.9	99.0	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	
GE 200	66.6	89.1	91.7	94.1	96.4	97.3	98.4	98.9	99.0	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	
GE 100	66.6	89.1	91.7	94.1	96.4	97.3	98.4	98.9	99.0	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	
GE 0	66.6	89.1	91.7	94.1	96.4	97.3	98.4	98.9	99.0	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: NOV HOURS(EST): 1800-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	34.2	39.9	40.3	40.3	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 20000	38.6	44.4	44.9	45.4	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 18000	38.6	44.4	44.9	45.4	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 16000	38.8	44.7	45.1	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 14000	39.1	45.0	45.4	46.3	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 12000	41.0	46.9	47.3	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 10000	43.6	49.7	50.1	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 9000	43.6	49.8	50.2	50.3	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 8000	45.8	52.3	52.8	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 7000	46.3	53.1	53.7	54.5	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 6000	46.6	53.3	53.9	54.3	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 5000	49.2	56.9	57.6	58.5	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 4500	50.6	59.0	59.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 4000	52.9	62.4	63.1	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 3500	56.2	66.6	67.2	68.2	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 3000	59.7	70.6	71.4	72.4	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 2500	64.7	77.2	78.3	79.4	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 2000	69.1	82.9	84.0	85.1	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 1800	69.4	83.3	84.6	85.7	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1500	71.6	86.4	87.8	88.7	89.4	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 1200	71.9	87.4	88.9	90.2	90.8	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 1000	72.8	89.0	90.6	91.7	92.7	92.7	93.0	93.0	93.1	93.1	93.1	93.2	93.2	93.3	93.3	93.3
GE 900	72.8	89.1	91.1	92.3	94.0	94.0	94.4	94.4	94.6	94.6	94.7	94.7	94.8	94.8	94.8	94.8
GE 800	72.9	89.8	92.0	93.3	95.2	95.3	95.9	95.9	96.0	96.0	96.2	96.2	96.3	96.3	96.3	96.3
GE 700	73.0	90.1	92.3	94.3	96.4	96.6	97.1	97.1	97.2	97.2	97.4	97.4	97.6	97.6	97.6	97.6
GE 600	73.0	90.3	92.6	94.3	96.9	97.2	97.9	98.0	98.1	98.1	98.3	98.3	98.4	98.4	98.4	98.4
GE 500	73.1	90.4	92.7	94.7	97.6	98.1	98.8	99.0	99.1	99.3	99.6	99.6	99.7	99.7	99.7	99.7
GE 400	73.1	90.4	92.7	94.7	97.6	98.1	98.9	99.1	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8
GE 300	73.1	90.4	92.7	94.7	97.6	98.1	98.9	99.1	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	73.1	90.4	92.7	94.7	97.6	98.1	98.9	99.1	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	73.1	90.4	92.7	94.7	97.6	98.1	98.9	99.1	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0
GE 0	73.1	90.4	92.7	94.7	97.6	98.1	98.9	99.1	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: NOV HOURS/LSST: 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	33.7	38.7	39.6	40.3	40.3	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 20000	37.8	43.7	44.6	45.1	45.4	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 18000	37.8	43.6	44.7	45.2	45.6	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 16000	38.0	44.0	44.9	45.4	45.8	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 14000	38.1	44.1	45.0	45.5	45.9	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 12000	38.8	44.9	45.8	46.3	46.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 10000	42.4	49.4	50.3	51.2	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 9000	42.6	49.6	50.4	51.3	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 8000	45.7	52.9	53.6	54.7	55.0	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 7000	45.9	53.2	54.1	55.1	55.4	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 6000	46.0	53.6	54.4	55.4	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 5000	48.4	56.7	57.7	58.3	59.1	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 4500	51.7	60.6	62.1	63.2	63.6	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 4000	54.2	63.7	65.0	66.1	66.4	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 3500	56.9	67.1	68.4	69.5	69.9	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 3000	59.2	70.0	71.3	72.4	72.8	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 2500	64.0	76.3	77.8	78.7	79.2	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 2000	67.1	80.4	82.1	83.2	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 1800	67.8	81.4	83.1	84.2	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 1500	70.1	84.9	86.9	88.3	88.7	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 1200	70.8	86.3	88.9	90.1	91.0	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 1000	71.2	87.2	90.0	91.3	92.2	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 900	71.6	88.2	91.1	92.4	93.3	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 800	72.0	89.2	92.2	94.1	95.8	96.4	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 700	72.3	89.6	92.9	94.3	96.8	97.4	97.8	97.8	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 600	72.3	89.8	92.9	94.7	97.1	98.1	98.4	98.6	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 500	72.3	89.8	92.9	94.7	97.3	98.3	98.7	98.8	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	72.3	89.8	92.9	94.7	97.3	98.3	98.7	98.9	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	72.3	89.8	92.9	94.7	97.3	98.3	98.7	99.0	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 200	72.3	89.8	92.9	94.7	97.3	98.3	98.7	99.0	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 100	72.3	89.8	92.9	94.7	97.3	98.3	98.7	99.0	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 0	72.3	89.8	92.9	94.7	97.3	98.3	98.7	99.0	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/TAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: NOV HOURS(IST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE J
NO CLIL	29.2	35.5	36.9	37.2	39.2	39.5	39.7	39.9	40.0	40.2	40.3	40.3	40.4	40.4	40.5	40.6
GE 20000	32.8	39.9	41.5	42.5	43.9	44.2	44.4	44.6	44.7	44.9	45.0	45.0	45.2	45.2	45.2	45.3
GE 18000	32.9	40.0	41.6	42.7	44.0	44.3	44.5	44.7	44.8	45.0	45.1	45.1	45.3	45.3	45.3	45.5
GE 16000	33.0	40.1	41.7	42.8	44.1	44.4	44.6	44.8	44.9	45.1	45.2	45.2	45.4	45.4	45.4	45.5
GE 14000	33.2	40.4	42.0	43.1	44.4	44.7	44.9	45.1	45.2	45.4	45.5	45.5	45.7	45.7	45.7	45.9
GE 12000	34.3	41.7	43.3	44.4	45.7	46.0	46.2	46.4	46.5	46.7	46.8	46.8	47.0	47.0	47.0	47.2
GE 10000	36.5	44.6	46.2	47.5	48.8	49.1	49.3	49.5	49.6	49.8	49.9	49.9	50.1	50.1	50.2	50.3
GE 9000	36.7	44.9	46.5	47.3	49.1	49.4	49.7	49.9	50.0	50.2	50.3	50.3	50.4	50.4	50.5	50.6
GE 8000	38.8	47.8	49.5	50.2	52.3	52.6	52.9	53.0	53.2	53.3	53.5	53.5	53.6	53.6	53.7	53.8
GE 7000	39.5	49.2	50.9	52.4	53.8	54.2	54.4	54.6	54.7	54.9	55.0	55.0	55.2	55.2	55.2	55.3
GE 6000	39.8	49.6	51.3	52.3	54.3	54.6	54.9	55.1	55.2	55.4	55.5	55.5	55.6	55.6	55.7	55.8
GE 5000	41.5	52.0	53.8	55.4	56.9	57.3	57.5	57.7	57.8	58.0	58.1	58.1	58.3	58.3	58.3	58.4
GE 4500	43.6	54.8	56.7	58.3	59.8	60.2	60.4	60.6	60.8	60.9	61.1	61.1	61.2	61.2	61.3	61.4
GE 4000	45.9	57.5	59.5	61.2	62.7	63.1	63.4	63.6	63.7	63.9	64.0	64.0	64.2	64.2	64.2	64.3
GE 3500	48.3	60.7	62.6	64.4	65.9	66.3	66.6	66.8	66.9	67.1	67.3	67.3	67.4	67.4	67.5	67.6
GE 3000	51.4	64.4	66.4	68.2	69.9	70.3	70.6	70.8	71.0	71.2	71.3	71.3	71.4	71.4	71.5	71.6
GE 2500	55.1	69.6	71.8	73.3	75.6	76.0	76.4	76.6	76.7	76.9	77.0	77.0	77.2	77.2	77.3	77.4
GE 2000	58.1	73.8	76.2	78.3	80.2	80.7	81.1	81.3	81.5	81.7	81.8	81.8	81.9	81.9	82.0	82.1
GE 1800	58.6	74.8	77.3	79.3	81.3	81.8	82.2	82.4	82.6	82.8	82.9	82.9	83.1	83.1	83.2	83.3
GE 1500	60.8	78.1	80.7	82.9	85.0	85.5	86.0	86.2	86.4	86.6	86.7	86.7	86.9	86.9	87.0	87.1
GE 1200	61.6	80.0	82.9	85.3	87.6	88.2	88.7	88.9	89.1	89.3	89.4	89.5	89.6	89.6	89.7	89.8
GE 1000	62.3	81.5	84.5	87.1	89.6	90.2	90.8	91.2	91.4	91.6	91.8	91.8	91.9	91.9	92.0	92.1
GE 900	62.6	82.4	85.6	88.4	91.1	91.7	92.4	92.8	92.9	93.2	93.4	93.4	93.5	93.5	93.6	93.8
GE 800	62.8	83.1	86.5	89.5	92.5	93.3	94.0	94.4	94.6	94.8	95.1	95.1	95.3	95.3	95.4	95.5
GE 700	62.9	83.3	86.9	89.2	93.2	94.1	94.9	95.3	95.5	95.7	96.0	96.0	96.2	96.2	96.3	96.4
GE 600	63.0	83.5	87.1	90.3	93.8	94.8	95.6	96.1	96.3	96.6	96.8	96.8	97.1	97.1	97.2	97.3
GE 500	63.0	83.6	87.3	90.5	94.3	95.4	96.4	97.0	97.3	97.6	97.9	97.9	98.2	98.2	98.3	98.4
GE 400	63.0	83.6	87.3	90.5	94.3	95.6	96.7	97.3	97.6	98.0	98.3	98.3	98.6	98.6	98.7	98.8
GE 300	63.0	83.6	87.3	90.5	94.3	95.6	96.7	97.4	97.8	98.3	98.7	98.7	99.0	99.0	99.1	99.2
GE 200	63.0	83.6	87.3	90.5	94.3	95.6	96.7	97.5	97.8	98.4	98.8	98.8	99.1	99.2	99.3	99.5
GE 100	63.0	83.6	87.3	90.5	94.3	95.6	96.7	97.5	97.8	98.4	98.9	98.9	99.2	99.2	99.5	99.9
GE 0	63.0	83.6	87.3	90.5	94.3	95.6	96.7	97.5	97.8	98.4	98.9	98.9	99.2	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 7230

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: DEC HOURS(EST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	29.8	32.0	32.2	32.7	34.0	34.0	34.0	34.0	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
GE 20000	33.2	35.6	35.7	36.2	37.5	37.5	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
GE 18000	33.2	35.6	35.7	36.2	37.5	37.5	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
GE 16000	33.4	35.8	35.9	36.5	37.7	37.7	37.7	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
GE 14000	33.9	36.2	36.3	36.9	38.2	38.2	38.2	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE 12000	34.6	37.1	37.2	37.7	39.0	39.0	39.0	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 10000	36.5	39.6	39.7	40.2	41.5	41.5	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 9000	36.7	39.8	39.9	40.4	41.7	41.7	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 8000	38.2	41.6	41.7	42.3	43.5	43.5	43.5	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE 7000	41.0	44.4	44.5	45.1	46.3	46.3	46.3	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 6000	42.3	45.8	45.9	46.5	47.7	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 5000	44.7	48.8	49.0	49.5	51.0	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 4500	46.7	51.7	52.0	52.5	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 4000	47.6	52.7	53.0	53.5	54.9	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 3500	49.6	55.4	55.7	56.2	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 3000	52.4	59.8	60.2	60.9	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 2500	58.2	68.0	68.4	68.9	70.4	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 2000	61.8	73.2	73.8	74.7	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 1800	62.7	75.1	75.7	76.7	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 1500	64.2	78.0	78.7	79.8	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 1200	64.9	79.9	81.0	82.3	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 1000	65.4	81.4	83.0	84.4	87.5	87.5	87.5	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 900	65.5	82.6	84.5	85.9	89.2	89.2	89.2	89.2	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 800	65.5	82.7	85.3	87.0	90.6	90.8	90.8	90.8	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 700	65.7	83.4	86.5	88.9	92.7	92.9	93.1	93.1	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 600	65.7	83.9	87.3	89.7	94.3	94.5	94.7	94.7	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 500	65.8	84.1	87.6	90.1	95.1	95.7	96.1	96.1	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 400	65.8	84.1	87.6	90.1	95.1	95.8	96.6	96.8	97.0	97.5	97.6	97.6	97.6	97.6	97.6	97.6
GE 300	65.8	84.1	87.6	90.2	95.2	96.0	96.9	97.2	97.4	98.0	98.2	98.2	98.6	98.6	98.6	98.6
GE 200	65.8	84.1	87.6	90.2	95.2	96.0	96.9	97.2	97.4	98.1	98.4	98.4	99.1	99.1	99.1	99.6
GE 100	65.8	84.1	87.6	90.2	95.2	96.0	96.9	97.2	97.4	98.1	98.4	98.4	99.5	99.5	99.5	100.0
GE 0	65.8	84.1	87.6	90.2	95.2	96.0	96.9	97.2	97.4	98.1	98.4	98.4	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: DEC HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE J
NO CEIL	28.8	33.3	33.4	34.7	35.7	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.1	36.1
GE 20000	30.5	35.2	35.3	36.7	37.6	37.8	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.1	38.1
GE 18000	30.6	35.3	35.4	36.9	37.7	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.2	38.2
GE 16000	30.6	35.3	35.4	36.9	37.7	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.2	38.2
GE 14000	31.0	35.7	35.8	37.2	38.2	38.4	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.6	38.6
GE 12000	31.9	36.7	36.8	38.2	39.1	39.4	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.6	39.6
GE 10000	34.5	39.7	39.8	41.2	42.2	42.4	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.6	42.6
GE 9000	34.5	39.7	39.8	41.2	42.2	42.4	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.6	42.6
GE 8000	37.2	42.7	42.8	44.2	45.2	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.6	45.6
GE 7000	38.8	44.3	44.4	45.8	46.8	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.2	47.2
GE 6000	39.9	45.7	45.8	47.2	48.2	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.6	48.6
GE 5000	42.3	48.1	48.2	49.5	50.6	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.1	51.1
GE 4500	44.1	50.4	50.6	52.3	53.3	53.5	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.8	53.8
GE 4000	45.6	52.0	52.4	54.1	55.4	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.8	55.8
GE 3500	47.0	53.8	54.2	55.9	57.3	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7
GE 3000	49.9	57.0	57.6	59.5	61.0	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4
GE 2500	54.9	63.4	64.3	66.3	67.7	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4
GE 2000	59.4	68.8	69.7	71.3	73.5	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4
GE 1800	60.3	70.1	71.0	73.3	75.3	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.1
GE 1500	62.3	73.2	74.5	77.1	79.0	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.9	79.9
GE 1200	63.1	75.7	77.1	79.3	82.2	82.7	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.3	83.3
GE 1000	63.9	77.7	79.5	82.3	84.9	85.5	85.8	86.3	86.3	86.3	86.3	86.3	86.3	86.5	86.6	86.6
GE 900	64.2	78.8	81.0	84.1	87.2	87.8	88.3	88.8	88.8	88.8	88.8	88.8	88.8	88.9	89.0	89.0
GE 800	64.2	79.2	81.7	84.3	88.2	88.8	89.2	89.8	89.8	89.8	89.8	89.8	89.8	89.9	90.0	90.0
GE 700	64.6	80.1	83.2	86.3	90.2	91.0	91.6	92.2	92.2	92.2	92.2	92.2	92.2	92.3	92.4	92.4
GE 600	64.8	80.5	83.9	87.5	91.5	92.4	93.2	93.8	93.9	93.9	93.9	93.9	93.9	94.0	94.1	94.1
GE 500	64.9	81.0	84.4	88.1	92.6	93.6	94.9	95.7	95.8	95.9	95.9	95.9	96.0	96.0	96.1	96.1
GE 400	64.9	81.1	84.5	88.2	92.7	94.0	95.4	96.3	96.6	96.9	97.0	97.0	97.2	97.2	97.3	97.3
GE 300	64.9	81.1	84.5	88.3	92.9	94.2	95.8	96.8	97.0	97.5	97.8	97.8	98.2	98.2	98.3	98.3
GE 200	64.9	81.1	84.5	88.3	92.9	94.2	95.8	96.8	97.0	97.5	98.2	98.2	98.9	99.0	99.1	99.5
GE 100	64.9	81.1	84.5	88.3	92.9	94.2	95.8	96.8	97.0	97.5	98.2	98.2	99.0	99.1	99.2	99.5
GE 0	64.9	81.1	84.5	88.3	92.9	94.2	95.8	96.8	97.0	97.5	98.2	98.2	99.0	99.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: DEC HOURS(UT): 0600-0800

CEILING		VISIBILITY IN STATUTE MILES														
IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	23.5	29.0	30.1	30.9	31.8	32.4	32.6	32.6	32.6	32.6	32.6	32.6	32.7	32.7	32.8	32.8
GE 20000	24.6	30.2	31.4	32.3	33.2	33.8	34.0	34.0	34.0	34.0	34.0	34.0	34.1	34.1	34.2	34.2
GE 18000	24.6	30.2	31.4	32.3	33.2	33.8	34.0	34.0	34.0	34.0	34.0	34.0	34.1	34.1	34.2	34.2
GE 16000	24.7	30.3	31.5	32.4	33.3	33.9	34.1	34.1	34.1	34.1	34.1	34.1	34.2	34.2	34.3	34.3
GE 14000	25.1	30.8	31.9	32.3	33.8	34.3	34.5	34.5	34.5	34.5	34.5	34.5	34.6	34.6	34.7	34.7
GE 12000	25.7	31.4	32.6	33.5	34.5	35.1	35.3	35.3	35.3	35.3	35.3	35.3	35.4	35.4	35.5	35.5
GE 10000	28.9	34.9	36.2	37.2	38.2	39.7	38.9	38.9	38.9	38.9	38.9	38.9	39.0	39.0	39.1	39.1
GE 9000	29.2	35.4	36.7	37.5	38.6	39.1	39.4	39.4	39.4	39.4	39.4	39.4	39.5	39.5	39.6	39.6
GE 8000	32.4	39.6	40.9	41.3	42.8	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.7	43.7	43.8	43.8
GE 7000	33.7	41.1	42.5	43.4	44.4	44.9	45.2	45.2	45.2	45.2	45.2	45.2	45.3	45.3	45.4	45.4
GE 6000	34.0	41.8	43.2	44.2	45.2	45.7	45.9	45.9	45.9	45.9	45.9	45.9	46.0	46.0	46.1	46.1
GE 5000	36.0	44.1	45.6	46.5	47.5	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.4	48.4	48.5	48.5
GE 4500	38.1	46.6	48.1	49.4	50.4	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.3	51.3	51.4	51.4
GE 4000	38.6	47.4	48.9	50.4	51.5	52.0	52.3	52.3	52.3	52.4	52.4	52.4	52.5	52.5	52.6	52.6
GE 3500	39.6	48.8	50.3	51.7	53.1	53.7	53.9	53.9	53.9	54.0	54.0	54.0	54.1	54.1	54.2	54.2
GE 3000	42.2	52.2	54.0	55.3	57.2	57.7	58.0	58.0	58.0	58.1	58.1	58.1	58.2	58.2	58.3	58.3
GE 2500	45.2	57.3	59.2	61.3	62.8	63.5	63.9	63.9	63.9	64.0	64.0	64.0	64.1	64.1	64.2	64.2
GE 2000	48.4	62.0	64.7	66.3	68.0	68.8	69.1	69.1	69.1	69.2	69.2	69.2	69.4	69.4	69.5	69.5
GE 1800	50.3	64.3	66.7	68.8	70.8	71.6	71.9	72.0	72.0	72.2	72.2	72.2	72.4	72.4	72.5	72.5
GE 1500	51.2	68.4	71.2	73.5	75.5	76.3	76.9	77.0	77.1	77.2	77.3	77.3	77.5	77.5	77.6	77.6
GE 1200	54.8	70.4	73.7	76.1	78.2	79.0	79.8	80.2	80.3	80.4	80.5	80.5	80.8	80.8	80.9	80.9
GE 1000	55.5	72.9	76.6	79.5	82.0	82.9	83.7	84.2	84.4	84.7	84.8	84.8	85.1	85.1	85.2	85.2
GE 900	55.5	73.1	77.2	80.2	82.7	83.5	84.3	84.8	85.1	85.4	85.5	85.5	85.7	85.7	85.8	85.8
GE 800	55.8	74.8	79.2	82.4	85.5	86.3	87.1	87.6	87.8	88.2	88.3	88.3	88.5	88.5	88.6	88.6
GE 700	55.8	74.8	79.5	82.9	86.7	87.6	88.4	89.0	89.2	89.7	89.8	89.8	90.0	90.0	90.1	90.1
GE 600	55.9	75.6	80.2	84.3	88.1	89.2	90.1	90.8	91.0	91.5	91.6	91.6	91.8	91.8	91.9	91.9
GE 500	55.9	76.1	80.9	84.5	89.6	91.0	92.2	93.0	93.4	94.0	94.3	94.3	94.5	94.5	94.6	94.6
GE 400	55.9	76.2	81.1	84.3	90.0	91.5	93.1	94.2	94.9	95.7	96.2	96.3	96.7	96.7	96.8	96.8
GE 300	55.9	76.2	81.1	84.3	90.2	91.7	93.5	94.9	95.9	96.7	97.2	97.3	97.7	97.7	97.8	97.8
GE 200	55.9	76.2	81.1	84.3	90.2	91.7	93.5	94.9	95.9	96.9	97.6	97.8	98.6	98.6	98.8	98.8
GE 100	55.9	76.2	81.1	84.3	90.2	91.7	93.5	94.9	95.9	96.9	97.7	98.1	98.8	98.8	99.1	99.6
GE 0	55.9	76.2	81.1	84.3	90.2	91.7	93.5	94.9	95.9	96.9	97.7	98.1	98.8	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: DEC HOURS(LST): 0900-1100

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	1	20.2	26.3	28.1	28.3	29.5	29.8	29.9	30.0	30.0	30.1	30.1	30.1	30.2	30.2	30.2	30.2
GE 20000	1	21.6	28.8	30.8	31.6	32.4	32.7	32.8	32.9	32.9	33.0	33.0	33.0	33.1	33.1	33.1	33.1
GE 18000	1	21.6	28.8	30.8	31.6	32.4	32.7	32.8	32.9	32.9	33.0	33.0	33.0	33.1	33.1	33.1	33.1
GE 16000	1	21.6	28.8	30.8	31.6	32.4	32.7	32.8	32.9	32.9	33.0	33.0	33.0	33.1	33.1	33.1	33.1
GE 14000	1	21.8	29.0	31.0	31.3	32.6	32.9	33.0	33.1	33.1	33.2	33.2	33.2	33.3	33.3	33.3	33.3
GE 12000	1	22.9	30.1	32.0	32.9	33.8	34.1	34.2	34.4	34.4	34.5	34.5	34.5	34.6	34.6	34.6	34.6
GE 10000	1	25.3	33.3	35.3	36.1	37.0	37.3	37.4	37.6	37.6	37.7	37.7	37.7	37.8	37.8	37.8	37.8
GE 9000	1	25.3	33.5	35.5	36.3	37.2	37.5	37.6	37.8	37.8	38.0	38.0	38.0	38.1	38.1	38.1	38.1
GE 8000	1	27.3	37.0	39.1	40.3	40.9	41.2	41.3	41.5	41.5	41.6	41.6	41.6	41.7	41.7	41.7	41.7
GE 7000	1	27.7	38.1	40.3	41.3	42.4	42.7	42.8	43.0	43.0	43.1	43.1	43.1	43.2	43.2	43.2	43.2
GE 6000	1	28.4	38.9	41.2	42.2	43.2	43.7	43.8	44.0	44.0	44.1	44.1	44.1	44.2	44.2	44.2	44.2
GE 5000	1	31.1	42.3	44.6	45.5	46.7	47.1	47.2	47.4	47.4	47.5	47.5	47.5	47.6	47.6	47.6	47.6
GE 4500	1	31.8	43.3	45.7	47.1	48.2	48.6	48.7	48.9	48.9	49.0	49.0	49.0	49.1	49.1	49.1	49.1
GE 4000	1	32.6	44.4	46.9	48.4	49.5	49.9	50.0	50.2	50.2	50.3	50.3	50.3	50.4	50.4	50.4	50.4
GE 3500	1	33.2	46.0	48.5	50.3	51.1	51.5	51.6	51.8	51.8	51.9	51.9	51.9	52.0	52.0	52.0	52.0
GE 3000	1	36.3	50.9	53.3	54.3	56.1	56.6	56.7	56.9	56.9	57.0	57.0	57.0	57.1	57.1	57.1	57.1
GE 2500	1	38.9	55.7	58.3	60.3	61.4	61.8	62.2	62.4	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.6
GE 2000	1	41.6	59.4	62.4	64.2	65.9	66.5	66.8	67.0	67.0	67.1	67.1	67.1	67.2	67.2	67.3	67.3
GE 1800	1	42.6	61.4	64.4	66.3	68.1	68.6	68.9	69.2	69.2	69.4	69.4	69.4	69.5	69.5	69.6	69.6
GE 1500	1	45.2	65.7	69.2	71.2	73.1	73.8	74.1	74.4	74.4	74.6	74.6	74.6	74.7	74.7	74.8	74.8
GE 1200	1	45.9	68.7	72.5	74.4	76.6	77.2	77.6	78.3	78.3	78.5	78.6	78.6	78.7	78.7	78.8	78.8
GE 1000	1	46.2	70.9	74.9	77.5	80.1	80.9	81.5	82.4	82.5	82.7	82.9	82.9	83.0	83.0	83.1	83.1
GE 900	1	46.3	71.3	75.5	78.4	81.1	81.8	82.5	83.3	83.4	83.7	83.9	83.9	84.1	84.1	84.2	84.2
GE 800	1	46.3	71.9	76.3	79.9	83.9	84.7	85.6	86.7	86.8	87.0	87.2	87.2	87.4	87.4	87.5	87.5
GE 700	1	46.6	72.8	77.4	81.1	85.4	86.6	87.4	88.6	88.7	89.0	89.4	89.5	89.8	89.8	89.9	89.9
GE 600	1	46.9	73.5	78.2	82.3	87.0	88.7	89.6	91.0	91.2	91.5	91.9	92.0	92.5	92.5	92.6	92.6
GE 500	1	46.9	73.5	78.5	82.7	87.7	89.7	91.0	93.0	93.3	93.8	94.4	94.5	95.2	95.2	95.3	95.3
GE 400	1	46.9	73.5	78.6	82.9	88.2	90.3	91.7	94.0	94.5	95.3	96.1	96.5	97.2	97.3	97.4	97.5
GE 300	1	46.9	73.5	78.6	82.9	88.3	90.4	91.8	94.1	94.6	95.5	96.7	97.0	98.0	98.2	98.4	98.7
GE 200	1	46.9	73.7	78.7	83.3	88.4	90.5	91.9	94.3	94.8	95.7	97.0	97.3	98.5	98.7	98.9	99.5
GE 100	1	46.9	73.7	78.7	83.3	88.4	90.5	91.9	94.3	94.8	95.7	97.0	97.3	98.5	98.7	99.0	99.8
GE	01	46.9	73.7	78.7	83.3	88.4	90.5	91.9	94.3	94.8	95.7	97.0	97.3	98.5	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: DEC HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16
NO CEIL	24.9	30.3	30.9	31.5	32.0	32.3	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
GE 20000	28.2	34.4	35.3	36.3	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
GE 18000	28.3	34.5	35.4	36.4	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
GE 16000	28.4	34.6	35.5	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
GE 14000	28.5	34.8	35.7	36.5	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
GE 12000	28.8	35.3	36.2	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
GE 10000	30.9	38.0	38.9	39.3	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 9000	30.9	38.2	39.1	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 8000	31.9	39.7	40.6	41.5	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 7000	32.6	40.6	41.6	42.9	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 6000	33.4	41.6	42.6	43.9	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 5000	35.2	44.2	45.2	46.5	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 4500	36.9	46.1	47.2	48.5	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 4000	37.7	48.0	49.2	50.5	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 3500	38.9	50.1	51.4	52.7	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 3000	41.8	55.4	56.7	58.2	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.1
GE 2500	46.1	62.0	63.3	64.8	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.8	65.8	65.8	65.8
GE 2000	49.8	68.3	69.7	71.3	72.5	72.7	72.7	72.7	72.8	72.8	72.8	72.9	72.9	72.9	72.9
GE 1800	51.1	69.8	71.3	72.9	74.2	74.4	74.4	74.4	74.5	74.5	74.5	74.6	74.6	74.6	74.6
GE 1500	53.0	73.7	75.2	76.9	78.3	78.6	78.7	78.8	79.0	79.0	79.1	79.1	79.1	79.1	79.1
GE 1200	54.2	75.8	77.6	79.9	82.5	82.9	83.1	83.2	83.4	83.4	83.4	83.8	83.8	83.8	83.8
GE 1000	54.2	77.2	79.2	82.3	85.2	85.8	86.2	86.5	86.7	86.7	87.0	87.1	87.1	87.1	87.1
GE 900	54.4	78.2	80.4	83.9	87.3	88.0	88.4	88.6	88.9	88.9	89.2	89.4	89.4	89.4	89.4
GE 800	54.8	79.8	82.3	86.5	90.4	91.4	91.8	92.2	92.5	92.6	92.9	93.0	93.0	93.0	93.0
GE 700	55.1	80.1	82.8	87.7	91.6	92.7	93.2	93.7	94.1	94.2	94.5	94.6	94.6	94.6	94.6
GE 600	55.1	80.5	83.3	88.5	92.6	93.9	94.4	94.8	95.3	95.4	95.7	95.8	95.8	95.8	95.8
GE 500	55.2	80.8	83.5	88.7	93.1	94.8	95.8	96.2	96.7	96.9	97.2	97.4	97.5	97.5	97.5
GE 400	55.2	80.8	83.7	88.9	93.4	95.2	96.1	96.8	97.5	97.7	98.1	98.3	98.5	98.6	98.6
GE 300	55.2	80.8	83.8	89.3	93.7	95.4	96.3	97.1	98.0	98.2	98.6	98.8	99.2	99.4	99.7
GE 200	55.2	80.8	83.8	89.3	93.7	95.4	96.3	97.1	98.0	98.2	98.6	98.8	99.2	99.4	99.9
GE 100	55.2	80.8	83.8	89.3	93.7	95.4	96.3	97.1	98.0	98.2	98.6	98.8	99.2	99.4	100.0
GE 0	55.2	80.8	83.8	89.3	93.7	95.4	96.3	97.1	98.0	98.2	98.6	98.8	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: DEC HOURS(UTC): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	27.0	30.8	31.1	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
GE 20000	30.8	35.8	36.3	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
GE 18000	30.8	35.8	36.3	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
GE 16000	30.8	35.8	36.3	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
GE 14000	30.9	36.2	36.8	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
GE 12000	31.7	37.1	37.6	38.3	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
GE 10000	34.0	39.5	40.0	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
GE 9000	34.1	39.7	40.2	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
GE 8000	36.0	41.7	42.3	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 7000	36.6	42.4	42.9	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 6000	36.8	42.6	43.1	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 5000	38.1	44.5	45.2	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 4500	39.8	46.9	47.6	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 4000	41.4	48.7	49.6	50.1	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 3500	42.3	49.9	50.8	51.3	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 3000	46.3	55.2	56.1	56.3	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 2500	51.2	61.3	62.7	63.5	64.2	64.3	64.5	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6
GE 2000	54.8	66.7	68.5	69.3	70.9	71.0	71.2	71.3	71.3	71.4	71.6	71.6	71.6	71.6	71.6	71.6
GE 1800	56.2	69.1	71.2	72.7	73.7	73.8	74.0	74.1	74.1	74.2	74.4	74.4	74.4	74.4	74.4	74.4
GE 1500	57.4	73.1	75.7	77.7	80.0	80.3	80.6	80.9	80.9	81.1	81.3	81.3	81.4	81.4	81.4	81.4
GE 1200	57.7	74.8	78.0	80.5	83.2	83.5	84.0	84.3	84.3	84.5	84.9	84.9	85.1	85.1	85.1	85.1
GE 1000	58.2	76.9	80.8	83.3	86.8	87.6	88.2	88.6	88.7	88.9	89.4	89.4	89.7	89.7	89.7	89.7
GE 900	58.5	77.6	81.8	85.1	88.4	89.2	89.8	90.4	90.5	90.8	91.2	91.2	91.5	91.5	91.5	91.5
GE 800	58.5	78.5	83.1	86.3	90.6	91.5	92.4	93.3	93.4	93.9	94.3	94.3	94.7	94.7	94.7	94.7
GE 700	58.6	78.9	83.8	87.4	91.3	92.5	93.5	94.6	94.7	95.2	95.6	95.6	96.0	96.0	96.0	96.0
GE 600	58.6	78.9	83.9	87.5	91.6	93.0	94.2	95.5	95.6	96.1	96.6	96.6	97.0	97.0	97.0	97.0
GE 500	58.6	79.5	84.4	88.1	92.3	93.9	95.3	96.8	96.9	97.5	98.1	98.1	98.5	98.5	98.5	98.5
GE 400	58.6	79.7	84.7	88.4	92.8	94.6	96.1	97.6	97.7	98.4	98.9	98.9	99.4	99.4	99.4	99.4
GE 300	58.6	79.7	84.7	88.4	92.8	94.6	96.1	97.7	98.0	98.6	99.1	99.2	99.9	99.9	99.9	99.9
GE 200	58.6	79.7	84.7	88.4	92.8	94.6	96.1	97.7	98.0	98.6	99.1	99.2	99.9	99.9	99.9	100.0
GE 100	58.6	79.7	84.7	88.4	92.8	94.6	96.1	97.7	98.0	98.6	99.1	99.2	99.9	99.9	99.9	100.0
GE 0	58.6	79.7	84.7	88.4	92.8	94.6	96.1	97.7	98.0	98.6	99.1	99.2	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFCLTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: DEC HOUR(S) (LST): 1800-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	30.9	32.9	33.0	33.2	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
GE 20000	35.1	37.6	38.0	38.2	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 18000	35.1	37.6	38.0	38.2	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 16000	35.1	37.6	38.0	38.2	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 14000	35.1	38.1	38.4	38.5	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
GE 12000	36.2	39.2	39.6	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
GE 10000	38.3	41.4	41.7	41.9	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 9000	38.6	41.7	42.0	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
GE 8000	42.0	45.5	45.8	46.3	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 7000	43.2	46.8	47.1	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
GE 6000	43.4	47.0	47.3	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 5000	44.9	48.7	49.1	49.5	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 4500	46.1	50.5	51.0	51.5	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 4000	47.7	52.5	53.1	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 3500	49.7	54.7	55.4	55.9	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 3000	52.2	58.1	58.9	59.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 2500	56.7	64.6	65.6	66.2	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 2000	60.1	69.5	70.8	71.7	73.1	73.2	73.4	73.5	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 1800	61.3	71.5	72.8	73.9	75.3	75.4	75.6	75.7	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 1500	63.5	76.2	77.7	79.2	81.3	81.5	81.8	81.9	81.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 1200	64.2	78.2	79.9	81.5	84.2	84.4	84.8	84.9	84.9	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 1000	64.3	79.7	81.9	83.9	86.7	87.0	87.5	87.6	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 900	64.6	80.6	83.3	85.5	88.5	88.9	89.5	89.8	89.8	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 800	64.6	81.4	84.5	86.9	90.3	90.8	91.4	91.9	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 700	64.6	81.7	85.1	87.7	91.6	92.6	93.2	93.9	93.9	94.3	94.3	94.3	94.4	94.4	94.4	94.4
GE 600	64.6	82.2	85.9	88.9	93.1	94.3	94.9	95.6	95.6	96.0	96.0	96.0	96.1	96.1	96.1	96.1
GE 500	64.6	82.4	86.2	89.5	94.0	95.6	96.5	97.4	97.5	98.1	98.5	98.5	98.7	98.7	98.7	98.7
GE 400	64.6	82.4	86.2	89.5	94.0	95.7	96.8	97.7	97.8	98.5	98.9	98.9	99.2	99.2	99.2	99.2
GE 300	64.6	82.4	86.2	89.5	94.0	95.7	96.8	97.8	97.8	98.8	99.2	99.4	99.7	99.7	99.7	99.7
GE 200	64.6	82.4	86.2	89.5	94.0	95.7	96.8	97.8	97.8	98.8	99.2	99.4	99.7	99.7	99.7	99.7
GE 100	64.6	82.4	86.2	89.5	94.0	95.7	96.8	97.8	97.8	98.8	99.2	99.4	99.7	99.7	99.8	100.0
GE 01	64.6	82.4	86.2	89.5	94.0	95.7	96.8	97.8	98.0	98.8	99.2	99.4	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: DEC HOURS(LOCAL): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	30.3	32.0	32.3	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
GE 20000	34.3	36.1	36.3	37.1	37.2	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
GE 18000	34.3	36.1	36.3	37.1	37.2	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
GE 16000	34.3	36.1	36.3	37.1	37.2	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
GE 14000	34.7	36.6	36.8	37.5	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
GE 12000	35.8	37.7	38.0	38.7	38.8	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
GE 10000	37.6	40.2	40.4	41.2	41.3	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 9000	38.0	40.5	40.8	41.5	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 8000	39.4	42.2	42.4	43.1	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 7000	42.2	44.9	45.2	45.9	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 6000	43.2	46.0	46.2	47.3	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 5000	44.8	48.9	49.1	49.9	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 4500	48.0	52.8	53.1	53.9	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 4000	49.2	54.2	54.5	55.3	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 3500	51.1	56.3	56.8	57.5	57.8	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 3000	53.9	60.4	61.2	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 2500	58.3	66.8	67.5	68.4	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 2000	62.9	73.4	74.2	75.5	76.5	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 1800	63.5	74.8	75.7	77.3	78.1	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 1500	65.5	78.5	79.5	80.9	82.3	82.4	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7
GE 1200	66.0	80.5	81.6	83.3	84.6	84.8	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3
GE 1000	66.3	81.9	83.0	84.5	86.5	86.7	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3
GE 900	66.6	83.0	84.3	85.9	88.0	88.3	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0
GE 800	66.6	83.4	85.3	86.9	89.5	89.8	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5
GE 700	66.6	84.0	86.1	87.3	90.6	91.3	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0
GE 600	66.6	84.3	86.7	88.5	91.6	92.4	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1
GE 500	66.6	84.7	87.4	90.3	94.3	95.4	96.5	96.6	96.6	96.9	97.3	97.3	97.3	97.3	97.3	97.3
GE 400	66.6	84.7	87.4	90.1	94.8	95.9	97.3	97.4	97.4	97.8	98.5	98.5	98.6	98.6	98.6	98.6
GE 300	66.6	84.7	87.4	90.1	94.8	96.0	97.5	97.6	97.7	98.2	98.8	98.8	98.9	98.9	99.0	99.0
GE 200	66.6	84.7	87.4	90.1	94.8	96.0	97.5	97.7	97.8	98.4	99.0	99.1	99.6	99.6	99.7	99.9
GE 100	66.6	84.7	87.4	90.1	94.8	96.0	97.5	97.7	97.8	98.5	99.1	99.2	99.7	99.7	99.8	100.0
GE 0	66.6	84.7	87.4	90.1	94.8	96.0	97.5	97.7	97.8	98.5	99.1	99.2	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745703 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-84  
MONTH: DEC HOURS(1ST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	26.9	30.8	31.4	32.3	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
GE 20000	29.8	34.2	34.9	35.5	36.2	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.5	36.5	36.5	36.5
GE 18000	29.8	34.2	34.9	35.5	36.2	36.3	36.4	36.4	36.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5
GE 16000	29.9	34.3	35.0	35.7	36.3	36.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.6	36.6
GE 14000	30.1	34.7	35.3	36.1	36.6	36.8	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
GE 12000	31.0	35.6	36.3	37.3	37.6	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.9	37.9	37.9	37.9
GE 10000	31.2	38.3	39.0	39.7	40.3	40.5	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.7	40.7
GE 9000	33.4	38.6	39.2	40.3	40.6	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.9	40.9	40.9	40.9
GE 8000	35.6	41.2	41.9	42.7	43.3	43.4	43.5	43.5	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 7000	37.0	42.8	43.6	44.4	45.0	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 6000	37.7	43.7	44.4	45.3	45.9	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 5000	39.6	46.2	47.0	47.7	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.9	48.9	48.9	48.9
GE 4500	41.4	48.5	49.4	50.4	51.2	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5
GE 4000	42.6	50.0	51.0	52.3	52.8	52.9	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 3500	43.9	51.9	52.9	53.7	54.8	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 3000	46.9	56.1	57.3	58.4	59.4	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.8
GE 2500	51.2	62.4	63.7	64.7	66.0	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 2000	54.9	67.7	69.1	70.7	72.1	72.4	72.6	72.7	72.7	72.8	72.8	72.8	72.9	72.9	72.9	72.9
GE 1800	56.0	69.5	71.1	72.7	74.3	74.6	74.8	74.9	74.9	75.0	75.0	75.0	75.1	75.1	75.1	75.1
GE 1500	58.0	73.3	75.2	77.2	79.0	79.4	79.6	79.7	79.8	79.9	80.0	80.0	80.0	80.0	80.1	80.1
GE 1200	58.9	75.5	77.7	79.7	82.1	82.5	82.8	83.1	83.1	83.2	83.4	83.4	83.4	83.4	83.5	83.5
GE 1000	59.2	77.3	79.9	82.3	85.0	85.5	86.0	86.3	86.4	86.5	86.7	86.7	86.8	86.8	86.8	86.8
GE 900	59.4	78.2	81.0	83.5	86.5	87.1	87.6	88.0	88.1	88.3	88.4	88.4	88.5	88.5	88.6	88.6
GE 800	59.5	79.0	82.2	85.1	88.6	89.3	89.8	90.3	90.4	90.7	90.8	90.8	91.0	91.0	91.0	91.0
GE 700	59.7	79.5	83.0	86.2	90.0	90.9	91.6	92.1	92.2	92.5	92.7	92.7	92.8	92.8	92.9	92.9
GE 600	59.8	79.9	83.7	87.1	91.2	92.3	93.0	93.6	93.8	94.1	94.3	94.3	94.4	94.4	94.5	94.5
GE 500	59.8	80.3	84.1	87.7	92.3	93.7	94.8	95.6	95.8	96.2	96.5	96.6	96.8	96.8	96.8	96.8
GE 400	59.4	80.3	84.2	87.7	92.6	94.1	95.4	96.4	96.7	97.2	97.7	97.8	98.1	98.1	98.1	98.1
GE 300	59.4	80.3	84.2	87.7	92.7	94.3	95.6	96.7	97.1	97.7	98.2	98.3	98.8	98.8	98.9	99.0
GE 200	59.8	80.3	84.3	87.7	92.7	94.3	95.6	96.7	97.1	97.8	98.4	98.5	99.2	99.2	99.4	99.5
GE 100	59.8	80.3	84.3	87.7	92.7	94.3	95.6	96.7	97.1	97.8	98.4	98.6	99.3	99.3	99.5	99.5
GE 0	59.8	80.3	84.3	87.7	92.7	94.3	95.6	96.7	97.1	97.8	98.4	98.6	99.3	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 745700 STATION NAME: WRIGHT-PATTERSON AFB OH

PERIOD OF RECORD: 75-85  
MONTH: ALL HOURS(1ST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	32.5	40.5	42.3	43.3	45.2	45.7	46.1	46.4	46.4	46.5	46.6	46.6	46.7	46.7	46.7	46.7	46.8
GE 20000	35.9	45.2	47.3	49.3	50.6	51.1	51.6	51.9	52.0	52.1	52.2	52.2	52.3	52.3	52.3	52.3	52.4
GE 18000	36.0	45.3	47.5	49.2	50.7	51.3	51.8	52.1	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.5	52.5
GE 16000	36.0	45.3	47.5	49.2	50.8	51.4	51.8	52.1	52.2	52.3	52.4	52.4	52.5	52.5	52.5	52.5	52.6
GE 14000	36.2	45.7	47.9	49.5	51.2	51.8	52.2	52.6	52.7	52.8	52.9	52.9	52.9	53.0	53.0	53.0	53.3
GE 12000	37.0	46.7	49.0	50.3	52.4	53.0	53.4	53.8	53.9	54.0	54.1	54.1	54.1	54.1	54.1	54.2	54.2
GE 10000	38.8	49.3	51.7	53.5	55.3	56.0	56.5	56.8	56.9	57.0	57.1	57.1	57.2	57.2	57.3	57.3	57.3
GE 9000	39.0	49.7	52.2	54.1	55.8	56.4	56.9	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7
GE 8000	41.1	52.6	55.2	57.3	59.1	59.8	60.3	60.6	60.7	60.9	60.9	60.9	61.0	61.0	61.1	61.1	61.1
GE 7000	42.0	53.9	56.6	58.7	60.6	61.3	61.8	62.2	62.3	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.7
GE 6000	42.6	54.8	57.5	59.7	61.6	62.3	62.9	63.2	63.3	63.5	63.6	63.6	63.6	63.7	63.7	63.7	63.7
GE 5000	44.4	57.3	60.2	62.5	64.5	65.2	65.8	66.2	66.3	66.4	66.5	66.5	66.6	66.6	66.6	66.6	66.7
GE 4500	45.7	59.2	62.2	64.5	66.7	67.5	68.0	68.4	68.6	68.7	68.8	68.8	68.8	68.9	68.9	68.9	69.0
GE 4000	47.2	61.5	64.7	67.3	69.6	70.4	71.0	71.4	71.6	71.7	71.8	71.8	71.9	71.9	71.9	71.9	72.0
GE 3500	48.5	63.5	66.9	69.5	72.0	72.8	73.4	73.9	74.0	74.1	74.2	74.2	74.3	74.3	74.3	74.4	74.4
GE 3000	50.3	66.2	69.8	72.7	75.4	76.2	76.9	77.4	77.5	77.7	77.8	77.8	77.9	77.9	77.9	77.9	78.0
GE 2500	52.2	69.3	73.2	76.3	79.1	80.0	80.8	81.3	81.4	81.6	81.7	81.7	81.8	81.8	81.8	81.8	81.9
GE 2000	53.7	71.8	75.9	79.1	82.1	83.1	83.9	84.5	84.6	84.8	84.9	84.9	85.0	85.0	85.1	85.1	85.1
GE 1800	54.1	72.5	76.6	79.3	82.9	83.9	84.8	85.3	85.5	85.7	85.8	85.8	85.9	85.9	86.0	86.0	86.0
GE 1500	55.1	74.6	79.0	82.5	85.9	87.0	87.9	88.5	88.7	88.9	89.0	89.0	89.1	89.2	89.2	89.2	89.3
GE 1200	55.5	75.9	80.5	84.1	87.8	89.0	89.9	90.6	90.8	91.0	91.1	91.1	91.3	91.3	91.3	91.3	91.4
GE 1000	55.8	76.7	81.5	85.5	89.4	90.7	91.8	92.5	92.7	93.0	93.2	93.2	93.3	93.3	93.4	93.4	93.4
GE 900	55.9	77.1	82.1	86.1	90.2	91.6	92.7	93.5	93.7	94.0	94.2	94.2	94.3	94.3	94.4	94.4	94.4
GE 800	55.9	77.5	82.6	86.9	91.1	92.6	93.8	94.6	94.9	95.2	95.5	95.5	95.6	95.6	95.7	95.7	95.7
GE 700	56.0	77.7	82.9	87.2	91.7	93.3	94.6	95.5	95.7	96.1	96.3	96.4	96.5	96.5	96.6	96.6	96.7
GE 600	56.0	77.8	83.1	87.5	92.1	93.8	95.2	96.2	96.4	96.9	97.1	97.1	97.3	97.3	97.4	97.4	97.5
GE 500	56.0	77.9	83.3	87.7	92.6	94.3	95.8	96.9	97.2	97.7	98.1	98.1	98.3	98.3	98.4	98.4	98.4
GE 400	56.0	78.0	83.3	87.9	92.7	94.5	96.1	97.2	97.6	98.2	98.5	98.6	98.8	98.8	98.9	98.9	99.0
GE 300	56.0	78.0	83.3	87.9	92.7	94.5	96.1	97.3	97.7	98.4	98.8	98.8	99.1	99.2	99.3	99.3	99.4
GE 200	56.0	78.0	83.3	87.9	92.7	94.5	96.1	97.4	97.8	98.4	98.9	99.0	99.3	99.4	99.5	99.5	99.6
GE 100	56.0	78.0	83.3	87.9	92.7	94.5	96.1	97.4	97.8	98.5	98.9	99.0	99.4	99.4	99.6	99.6	99.8
GE 0	56.0	78.0	83.3	87.9	92.7	94.5	96.1	97.4	97.8	98.5	98.9	99.0	99.4	99.5	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 87657

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

#### TOTAL SKY COVER

FOR AIRCRAFT OPERATIONS THE SYMBOLS OF CLEAR, SCATTERED,  
BROKEN, OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE  
TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 2/10

BROKEN WAS CONVERTED TO 4/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SKY COVER

1457-D  
STATION

RIGHT-PATTERSON AFB OH

76-85

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										TOTAL TENTHS IN ALL CASES	TOTAL OBSERVATIONS	
		0	1	2	3	4	5	6	7	8	9			10
J <sup>y</sup>	00-02	17.0			9.5						10.5	63.0	7.5	927
	3-05	17.6			8.0						9.9	64.4	7.6	925
	06-08	13.2			12.5						11.2	63.0	7.7	925
	09-11	7.1			17.5						14.5	60.8	7.9	929
	11-14	6.4			17.4						20.2	56.0	7.9	926
	14-17	8.5			19.5						18.6	53.4	7.6	929
	17-20	12.4			16.1						14.4	55.2	7.4	930
	21-23	16.3			11.9						12.3	59.5	7.4	925
TOTALS		17.3			14.3						14.0	59.4	7.6	7416

## SKY COVER

FES

[illegible]

FORM  
100-64

0-9.5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SKY COVER

4570  
STATION

WRIGHT-PATTERSON AFB OH  
STATION NAME

76-85

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL OBSERVATIONS
		0	1	2	3	4	5	6	7	8	9	10	
	00-02	4.7			12.1						12.0	51.1	6.6 923
	3-05	22.4			11.3						11.2	54.7	6.8 918
	06-08	14.1			16.2						15.2	52.4	7.2 919
	9-11	10.0			19.2						18.2	52.5	7.5 927
	12-14	7.7			19.6						19.0	52.7	7.6 930
	15-17	8.2			16.9						22.0	52.9	7.8 930
	18-20	7.4			20.8						20.9	50.0	7.5 930
	21-23	21.5			15.4						13.4	49.7	6.6 930
	TOTALS	14.0			16.7						16.5	52.0	7.2 7407

USAFETAC

FORM  
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

25

## SKY COVER

76-85

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										TOTAL TENTHS OF SKY COVER	TOTAL OBSERVATIONS	
		0	1	2	3	4	5	6	7	8	9			10
F	00-02	30.5			12.3						15.4	40.8	5.9	896
	3-05	30.5			16.3						11.5	41.6	5.7	894
	06-08	16.3			22.9						16.9	43.9	6.6	886
	9-11	12.4			23.8						18.1	45.3	6.9	896
	12-14	.3			22.6						24.0	45.1	7.3	900
	15-17	5.8			22.8						25.0	46.4	7.6	900
	18-20	.2			27.2						21.9	43.7	7.2	900
	21-23	25.3			19.5						15.4	39.9	6.0	899

## SKY COVER

MAY

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
M	0-01	31.5			17.6						15.2	35.7	5.5	921
	0-05	2.5			20.6						13.3	37.6	5.6	917
	0-06	16.0			25.5						19.2	39.3	6.4	917
	0-11	12.3			27.3						21.1	39.3	6.6	927
	1-14	5.5			28.9						25.7	39.9	7.2	933
	1-17	3.5			28.2						28.5	39.8	7.4	935
	1-2	6.5			34.6						21.6	37.5	6.7	928
	1-23	23.8			25.3						16.4	34.5	5.7	925
TOTALS		15.5			26.3						20.1	38.0	6.4	7395

2

JJN



1

2  
JULIAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

# SKY COVER

14570 FLIGHT-PATTERSON AFB OH 75-84 JUL  
STATION STATION NAME PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NUMBER OF OBSERVATIONS	
		0	1	2	3	4	5	6	7	8	9	10		
JUL	0-07	33.3			26.4						18.2	22.2	4.6	898
	08-09	26.3			30.0						18.5	25.2	5.1	680
	10-11	14.2			36.2						21.5	28.2	5.8	890
	12-13	11.9			36.7						21.2	30.2	6.0	918
	14-15	2.4			39.7						29.6	28.4	6.7	930
	16-17	1.9			36.7						33.9	27.5	6.9	930
	18-19	6.1			41.2						28.0	24.7	6.2	920
	20-23	23.2			34.7						21.1	20.9	5.0	913
TOTALS		14.1			35.2						24.0	25.9	5.8	7279

25

## SKY COVER

75-84

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NUMBER OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
	1-02	32.2			23.0						16.7	26.1	5.0	918
	03-05	2 .9			23.4						15.3	32.4	5.3	902
	06-08	15.4			27.5						22.7	34.4	6.3	898
	09-11	11.0			29.9						25.4	33.7	6.6	926
	12-14	3.1			33.9						32.8	30.2	7.0	930
	15-17	2.2			35.7						31.1	31.1	7.0	930
	18-20	6.4			39.3						23.9	30.5	6.4	929
	21-23	23.5			30.1						20.7	25.6	5.3	926
TOTALS		11.3			30.4						23.6	30.8	6.1	7359

2

## SKY COVER

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO.	
		0	1	2	3	4	5	6	7	8	9			10
	00-02	40.4			16.7						15.6	25.3	4.5	877
	03-05	37.0			19.4						13.7	29.9	4.8	846
	06-08	21.2			26.9						19.5	33.5	5.8	840
	09-11	16.3			29.8						21.9	32.5	6.1	883
	12-14	1 .3			32.6						27.3	29.8	6.4	899
	15-17	10.4			37.4						25.8	26.3	6.1	900
	18-20	16.4			37.2						20.8	25.6	5.5	900
	21-23	37.2			21.8						15.7	25.3	4.6	894

## SKY COVER

75-84

CCT

MONTH	HOURS LAST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO.	
		0	1	2	3	4	5	6	7	8	9			10
	00-02	34.4			15.8						12.0	37.8	5.3	917
	03-05	31.2			14.7						13.2	40.2	5.6	896
	06-08	17.4			23.6						19.1	39.9	6.4	893
	09-11	13.9			24.9						20.8	40.3	6.7	918
	12-14	10.1			27.7						25.2	36.2	6.7	930
	15-17	11.6			24.8						24.4	39.2	6.9	928
	18-20	16.5			26.0						22.0	35.2	6.3	930
	21-23	30.1			22.1						12.9	35.0	5.3	924
TOTALS		20.1			22.5						18.7	38.5	6.2	7336



2  
 CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SKY COVER

40700  
 STATION

RIGHT-PATTERSON AFB OH  
 STATION NAME

75-84

NOV

PERIOD  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NUMBER OF OBSERVATIONS	
		0	1	2	3	4	5	6	7	8	9			10
NOV	0-02	25.0			13.6						11.8	48.6	6.3	887
	03-05	23.2			12.9						15.7	48.2	6.6	876
	06-08	16.6			18.1						14.3	51.0	6.9	882
	09-11	10.3			20.1						19.4	50.2	7.4	892
	12-14	6.6			24.8						19.8	48.8	7.4	898
	15-17	8.0			21.5						24.1	46.4	7.5	898
	18-20	17.3			18.9						14.8	49.0	6.8	900
	21-23	24.6			12.6						12.9	49.9	6.5	899
TOTALS		17.6			17.8						16.6	49.0	6.9	7134

USAFETAC

FORM  
 JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

75-84

DEC

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTH OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00-02	17.4			13.2						11.7	57.8	7.2	927
	03-05	1.9			11.7						11.7	57.6	7.2	929
	06-08	14.3			13.5						10.9	61.3	7.5	927
	09-11	5.7			16.4						17.7	59.2	8.0	927
	12-14	6.2			19.2						18.2	56.6	7.9	930
	15-17	6.			16.8						20.4	56.8	8.0	930
	18-20	11.5			18.8						12.5	57.2	7.4	930
	21-23	17.5			11.9						11.5	59.0	7.3	930
TOTALS	1.3			15.2						14.3	58.2	7.6	7430	

2  
JL CLIMATOLOGY BRANCH  
AFETAC  
AF WEATHER SERVICE/MAC

# SKY COVER

7457.0 WRIGHT-PATTERSON AFB OH  
STATION STATION NAME

75-85

ALL

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NUMBER OF OBSERVATIONS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	17.3			14.3						14.0	59.4	7.6	7416
FEB		14.4			16.4						15.1	53.8	7.2	6755
MAR		14.4			16.7						16.5	52.7	7.2	7407
APR		17.1			21.1						18.5	43.3	6.7	7171
MAY		16.4			26.0						20.1	38.0	6.4	7395
JUN		16.3			30.7						24.2	29.8	6.1	7142
JUL		14.4			35.2						24.0	25.9	5.8	7279
AUG		16.3			30.4						23.6	30.8	6.1	7359
SEP		23.7			28.0						19.9	28.5	5.5	7039
OCT		20.4			22.5						18.7	38.0	6.2	7336
NOV		17.6			17.8						16.6	49.3	6.9	7134
DEC		17.3			15.2						14.3	58.2	7.6	7430
TOTALS		16.2			22.9						18.8	42.2	6.6	86863

USAFETAC

FORM  
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- bulb wet bulb temperature, dew point, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperatures
  - b. Daily minimum temperatures
  - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

\* Values for means and standard deviations do not include incomplete months for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

These tables have been temporarily discontinued for the Russwo pending the advent of RUSSWO-2 in mid 1986.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.



40 CLIMATOLOGY BRANCH

TAC

DATA SERVICE MAC

STATION 1041-PATTERSON AFB OH

25-35

YEARS

# DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

411134

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
10						1.0	2.5	1.4	.1				.4
9				.1	.4	1.5	2.4	1.5	.4	.1			4.5
8				.6	6.5	35.2	54.4	43.7	13.5	1.3			17.4
7	.1		.2	4.0	20.2	55.7	78.3	55.3	34.5	5.5	.9	.1	22.7
6	.1	.1	2.4	11.7	35.4	77.5	93.5	57.5	52.1	15.0	3.3	.5	32.5
5	.6	.4	5.5	21.5	58.2	94.7	99.2	97.3	72.5	27.3	7.9	1.5	45.7
4	1.7	2.1	10.7	35.3	77.4	97.2	100.0	99.7	83.3	45.1	15.3	4.0	45.5
3	4.0	7.5	19.5	53.5	90.9	100.0		100.0	95.5	58.4	25.9	9.5	58.4
2	1.2	13.5	33.9	74.2	97.5				97.5	55.9	45.4	19.0	55.1
1	15.5	19.7	42.7	81.3	95.7				99.5	91.4	55.2	25.1	59.5
0	24.1	25.5	56.2	91.3	99.7				99.9	95.2	53.1	35.2	75.3
-1	41.9	44.1	77.2	95.2	100.0				100.0	99.1	55.3	55.5	54.1
-2	5.5	55.7	90.0	99.9						100.0	95.2	72.5	90.3
-3	5.1	77.1	95.5	100.0							95.7	84.1	93.5
-4	3.8	80.4	97.9								99.5	91.3	95.3
-5	17.3	92.2	99.3								99.9	95.1	97.9
-6	4.0	95.7	99.1								100.0	95.4	99.1
-7	7.4	99.3	100.0									99.9	99.7
-8	4.3	99.9										99.9	99.9
-9	9.7	100.0										100.0	100.0
-10	100.0												100.0
MEAN	50.4	52.0	51.4	51.4	51.4	51.9	54.5	52.7	55.3	54.3	54.4	55.4	52.9
S.D.	17.433	12.453	10.263	9.480	8.635	7.243	5.922	6.653	8.835	9.187	9.531	11.353	17.721
TOTAL OBS	1457	1352	1488	1447	1483	1417	1457	1457	1417	1457	1417	1457	17243

CLIMATE DIVISION  
 1541-PRILLER ON AFB 04  
 STATION NAME

35-35

YEARS

# DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

4214

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN. A.
10					.2	11.9	23.3	14.3	4.3				4.4
11				.4	5.2	35.4	53.5	44.5	13.4	.9			13.4
12			.1	3.8	21.1	51.7	84.1	75.5	37.0	4.2	.3		24.1
13	.1		1.5	11.8	41.5	82.3	95.9	92.9	58.7	15.6	1.4	.1	33.7
14	.3	.3	5.4	24.5	51.4	95.4	99.9	99.4	79.5	33.2	5.7	.3	42.3
15	.9	1.1	12.7	33.5	79.9	99.3	100.0	99.9	93.2	52.4	14.0	2.5	49.7
16	1.1	3.4	21.3	55.3	92.3	100.0		100.0	93.4	73.2	29.3	5.5	55.9
17	7.3	12.1	34.5	75.3	98.3				99.3	83.9	42.1	14.3	54.7
18	11.5	23.5	51.5	89.7	99.7				100.0	95.9	51.3	25.7	72.3
19	21.3	33.9	59.7	97.2	100.0					99.4	78.5	42.5	79.3
20	41.2	51.5	85.3	99.5						100.0	92.3	62.5	87.4
21	53.7	73.5	94.5	99.9							97.9	79.5	92.5
22	74.3	84.5	97.7	100.0							99.1	89.5	95.5
23	85.2	91.3	99.3								99.7	94.5	97.5
24	91.3	98.3	99.9								100.0	97.7	98.7
25	97.3	99.3	100.0									99.5	99.7
26	99.1	99.9										99.3	99.9
27	99.3	100.0										99.9	99.9
28	99.9											100.0	100.0
29	100.0												100.0
30													
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98													
99													
100													
MEAN	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
S D	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
TOTAL OBS	1457	1457	1457	1457	1457	1457	1457	1457	1457	1457	1457	1457	1457



CLIMATOLOGY BRANCH  
ETAC  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

STATION 14-700 WIGHT-PATTERSON AFB 34

38-35

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
1		70	82	84	83	90	94	92	92	85	77	58	
2	84	89	82	80	83	93	85	93	100	91	55	52	102
3	70	3	72	81	85	92	99	95	95	83	59	59	99
4	84	57	51	55	74	95	100	97	95	83	72	55	102
5	85	5	75	89	92	92	97	92	90	83	74	52	97
6	72	84	75	74	85	94	94	94	95	82	73	58	95
7	84	7	75	77	91	100	99	95	90	84	75	53	102
8	81	55	81	82	84	94	94	95	93	77	74	57	95
9	89	50	75	80	82	91	95	89	95	89	77	50	95
10	84	52	53	52	82	91	92	97	91	85	52	53	97
11	85	57	73	85	84	95	95	99	91	75	53	54	99
12	81	53	75	75	94	93	94	94	83	85	73	53	94
13	72	54	77	75	85	91	89	89	85	82	80	55	91
14	82	53	57	52	89	93	93	102	89	92	53	53	102
15	85	57	70	82	91	93	100	95	92	83	73	55	102
16	84	52	74	75	92	99	95	93	99	83	72	53	99
17	85	70	57	53	87	95	101	95	100	84	70	55	102
18	82	55	72	82	87	88	97	93	94	79	73	52	93
19	87	53	70	80	87	94	97	95	89	82	73	70	97
20	84	74	71	84	82	94	93	94	94	75	55	50	98
21	81	54	55	82	85	90	90	89	90	79	77	57	90
22	84	54	74	72	89	94	92	94	93	87	75	55	94
23	83	57	73	87	84	87	91	92	95	84	70	50	95
24	85	59	72	73	82	92	92	89	92	73	75	53	92
25	81	55	75	86	92	93	90	99	93	81	54	54	99
26	83	54	79	81	83	93	91	93	83	83	57	57	93
27	81	55	71	82	91	93	95	100	95	80	74	55	100
28	83	52	63	77	89	91	93	95	92	79	72	53	93
29	85	59	74	77	84	94	95	87	87	75	53	57	95
30	71	52	73	83	87	92	94	91	87	85	51	57	92
MEAN													
S D													
TOTAL OBS													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

\* (AT LEAST ONE DAY LESS THAN 24 OBS)

JOINT AIR CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

44-1414 TEMPERATURE

FROM DAILY OBSERVATIONS

STATION 44-1414-2412-104 AFB 04

52-85

YEARS

44-1414-2412-104 AFB 04

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
1	51	51	79	77	91	95	94	93	85	83	77	55	75
2	50	50	73	54	91	92	93	91	92	82	52	42	73
3	50	59	51	55	87	93	95	92	91	84	59	57	75
4	57	52	72	50	84	101	91	91	89	85	73	70	101
5	55	71	72	81	87	88	94	95	89	74	59	54	75
6	51	55	75	79	73	89	92	91	92	81	59	52	72
7	51	9	74	50	95	97	91	87	85	77	72	55	71
8	52	51	71	74	87	91	94	93	85	83	79	57	74
9	57	74	91	87	95	93	99	90	85	77	50	54	79
10	51	57	81	65	92	92	97	91	93	72	73	55	77
11	41	51	77	75	87	93	93	83	90	75	70	51	77
12	57	59	71	75	87	92	91	92	87	82	55	55	72
13	5	50	55	83	89	91	101	93	90	91	71	57	101
14	55	57	91	51	83	89	95	87	85	73	74	55	75
15	51	57	75	75	85	87	91	91	85	84	51	74	71
16	51	57	73	73	73	94	97	93	94	82	71	49	73
17	41	57	55	53	55	97	95	91	95	73	70	55	77
18	52	55	73	57	85								
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
MEAN	51.1	51.1	73.1	82.2	86.2	92.7	94.5	93.3	90.3	81.3	71.2	51.3	75.4
S D	7.307	7.555	5.325	3.704	3.824	3.303	3.372	3.593	4.172	4.543	4.903	5.474	3.325
TOTAL OBS	1457	1352	1428	1441	1483	1412	1457	1457	1412	1457	1412	1457	17253

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

# (AT LEAST ONE DAY LESS THAN 24 OBS)

AD-A159 636

WRIGHT-PATTERSON AFB OHIO REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBS. (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. SEP 85  
USAFETAC/DS-85/050

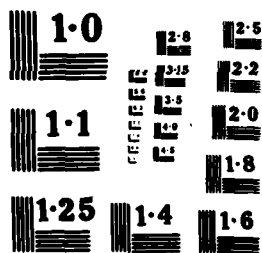
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										END DATE 12-85 DT-	END DATE 12-85 DT-		



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

STATION 14-7-2 21541-PATTERSON AFB CA 33-35 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1			18	18	25	45	53	50	40	28	8	8	
2		1	-5	13	22	32	51	47	47	33	23	13	-5
3		-17	3	8	20	31	43	45	42	32	23	13	-17
4		6	7	29	34	47	49	50	41	29	22	14	4
5		-7	2	25	28	35	49	50	45	28	24	20	-9
6			-1	23	23	44	50	48	35	29	17	2	-1
7		7	-4	12	22	34	45	51	47	40	25	22	-4
8		-2	2	27	29	32	41	50	47	45	32	20	-1
9			3	23	29	35	45	52	40	41	22	14	0
10		-2	13	31	31	47	43	55	35	34	12	9	-2
11		-11	2	30	35	45	54	50	43	27	25	8	-11
12		-4	12	13	29	37	45	50	52	35	30	22	4
13		1	4	8	21	37	43	50	45	35	33	5	-5
14		4	-11	13	31	42	47	54	49	34	31	17	-11
15			13	19	29	33	48	53	47	41	20	15	3
16		4	13	15	25	44	45	53	50	41	33	24	1
17		17	15	25	34	45	55	51	42	30	24	10	3
18			1	13	27	33	51	51	55	42	32	3	-2
19		10	13	33	37	47	57	50	35	33	11	20	5
20		-1	13	17	22	31	50	57	51	40	31	22	-1
21		3	-4	25	30	41	49	59	49	42	34	1	-7
22		-7	5	17	33	32	50	53	52	39	22	12	-7
23			10	1	25	35	50	54	53	45	27	22	-4
24		-1	22	27	32	45	55	55	40	27	20	2	-3
25		-7	3	10	27	41	50	52	50	34	20	23	-1
26		-15	-6	11	29	30	47	52	51	35	30	25	-9
27		-4	10	13	18	39	50	53	42	33	24	12	-4
28		-7	-4	14	21	41	50	53	42	33	23	21	-7
29		-5	4	15	26	25	40	50	51	42	25	17	-3
30		4	-1	25	33	43	50	43	35	25	12	9	-1
MEAN													
S D													
TOTAL OBS													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

# (AT LEAST ONE DAY LESS THAN 24 OBS)

## EXTREME VALUES

414144 TEMPERATURE

FROM DAILY OBSERVATIONS

~~14-717~~ STATION ~~RIGHT-PATTERSON AFB 304~~ STATION NAME

~~32-25~~

YEARS

40.5 DEGREES FAHRENHEIT

[illegible]

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

W (AT LEAST ONE DAY LESS THAN 24 HRS)

GENERAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

40700 RIGHT-PATTERSON AFB OH

75-85

STATION		STATION NAME										YEARS			
HRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
0-02	MEAN S.D. TOTAL OBS	22. 12.221 930	27.0 13.751 849	38.0 11.666 929	47.8 10.541 900	56.7 8.555 930	65.3 6.950 900	69.5 5.847 929	67.8 5.072 930	60.5 3.334 900	49.5 2.354 930	40.8 10.903 900	31.5 12.551 930	45.2 13.490 17957	
0-0	MEAN S.D. TOTAL OBS	21. 12.552 930	25.6 14.392 849	36.4 11.650 930	45.7 10.539 900	54.5 8.755 930	63.2 7.197 900	67.4 5.145 930	65.9 5.535 930	58.5 3.535 900	47.9 2.534 930	39.7 10.740 900	31.5 12.759 930	45.5 13.231 17959	
0-0.5	MEAN S.D. TOTAL OBS	1. 12.556 930	24.7 14.425 849	35.3 11.613 930	45.0 10.717 900	56.2 8.850 930	65.5 7.325 900	69.2 5.199 930	65.3 5.570 930	58.7 3.535 900	47.4 2.522 930	38.9 10.393 900	30.5 12.347 930	45.5 13.258 17959	
-11	MEAN S.D. TOTAL OBS	22.5 12.278 930	26.2 14.279 849	40.3 11.945 930	53.1 11.480 900	64.7 9.522 930	73.5 7.432 899	77.3 5.005 930	74.9 5.773 929	67.1 3.250 900	54.4 2.102 930	43.3 11.015 900	32.5 12.522 930	52.5 21.014 17957	
1-11	MEAN S.D. TOTAL OBS	25. 11.355 930	33.5 14.497 848	45.9 13.103 930	58.2 12.452 900	69.3 10.234 930	78.3 7.472 900	81.9 5.533 930	80.1 5.049 929	73.2 3.735 900	60.5 2.850 930	44.3 11.545 900	35.3 12.535 930	57.7 21.495 17957	
0-12	MEAN S.D. TOTAL OBS	23.7 11.917 930	34.9 13.955 849	47.5 13.447 930	59.7 12.535 900	70.5 10.185 930	79.2 7.377 900	83.0 5.447 929	81.2 5.035 929	74.5 3.723 900	61.2 2.130 930	45.3 11.629 899	35.5 12.553 930	55.5 21.555 17955	
-2	MEAN S.D. TOTAL OBS	24.4 11.903 93	32.0 13.172 849	44.3 12.463 930	55.2 11.750 900	67.1 9.521 923	75.8 6.917 900	79.5 5.097 930	77.1 5.331 930	69.3 3.400 900	55.9 2.259 930	44.3 10.893 900	34.0 12.380 930	55.1 20.545 17957	
1-23	MEAN S.D. TOTAL OBS	23.0 11.321 93	29.0 13.233 849	40.5 11.702 930	51.0 10.487 900	60.5 9.592 927	69.1 6.596 900	73.1 5.750 930	70.9 5.654 930	63.4 3.077 900	51.3 2.995 930	42.0 10.892 900	32.5 12.593 930	50.7 19.154 17955	
ALL HOURS	MEAN S.D. TOTAL OBS	23.5 11.94 744	29.4 14.310 6791	41.1 12.837 7439	52.2 12.468 7240	62.4 11.033 7435	71.3 9.259 7199	75.1 3.385 7433	73.1 3.315 7437	65.7 10.339 7200	53.5 10.730 7440	43.3 11.572 7199	33.0 12.305 7440	52.1 20.514 57554	

GLOBAL CLIM TOLOGY BRANCH  
ETAC  
AF WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

NET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

4770 NIGHT-PATTERSON AFB OH

75-85

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
0-02	MEAN S D TOTAL OBS	20.0 11.776 930	24.9 12.743 949	34.8 10.557 929	43.4 9.339 900	52.0 8.155 930	60.5 6.550 900	65.5 5.739 929	64.3 5.927 925	57.1 8.073 900	45.9 9.200 930	37.4 10.154 900	29.3 12.084 930	44.0 17.530 10952	
0-07	MEAN S D TOTAL OBS	20.3 12.192 930	23.0 13.152 949	33.7 10.559 930	42.0 9.595 900	50.0 8.543 930	59.4 6.815 900	64.1 5.045 930	63.0 5.450 924	55.7 8.315 897	44.7 9.399 930	35.0 10.107 899	23.7 12.217 930	43.0 17.530 10949	
0-10	MEAN S D TOTAL OBS	19.5 12.332 930	23.1 13.531 949	33.3 10.559 930	42.4 9.700 900	51.9 8.440 930	60.9 6.528 900	65.2 5.872 930	63.7 5.401 923	55.9 8.354 895	44.4 9.475 930	35.1 10.302 900	23.3 12.379 930	43.0 18.039 10955	
0-11	MEAN S D TOTAL OBS	20.0 11.929 930	25.9 13.073 948	36.5 10.443 930	45.5 9.514 900	55.4 8.155 930	64.8 6.315 899	69.1 5.244 930	67.9 5.340 929	60.7 7.539 900	49.0 8.493 930	39.3 10.181 900	30.1 12.101 930	47.4 18.500 10955	
1-01	MEAN S D TOTAL OBS	23.3 11.782 930	27.8 12.178 947	39.7 10.635 930	49.1 9.595 900	58.4 7.951 930	66.3 6.052 899	70.4 5.352 930	69.5 5.279 929	62.3 7.575 900	52.0 8.524 930	42.4 10.329 900	32.5 11.750 930	49.5 17.995 10955	
1-07	MEAN S D TOTAL OBS	24.0 11.299 930	30.7 11.811 949	40.5 10.574 930	49.9 9.522 900	58.7 7.643 930	65.4 5.855 899	70.5 5.055 923	69.5 5.042 927	63.1 7.450 900	52.0 8.454 930	42.4 10.231 899	32.8 11.759 930	50.1 17.728 10952	
1-12	MEAN S D TOTAL OBS	22.3 10.471 930	27.8 11.678 949	38.8 10.219 930	45.1 9.258 900	57.2 7.630 923	65.0 5.819 900	69.4 5.051 930	68.3 5.145 930	61.3 7.521 900	49.5 8.542 930	40.0 10.099 900	31.1 11.393 930	45.4 17.394 10957	
1-23	MEAN S D TOTAL OBS	21.1 10.855 930	26.7 12.182 949	36.5 10.237 930	45.4 9.064 900	54.3 7.890 927	62.5 6.149 900	67.3 5.352 930	65.0 5.523 930	55.3 7.774 900	47.3 8.753 930	38.2 10.153 900	30.0 12.171 930	45.3 17.537 10955	
ALL HOURS	MEAN S D TOTAL OBS	21.0 11.430 744	26.7 12.830 6789	36.7 10.803 7439	45.8 9.375 7200	55.0 7.590 7435	63.2 6.785 7197	67.7 5.951 7437	65.5 5.174 7422	59.4 8.322 7195	48.1 9.303 7440	39.1 10.441 7193	30.3 12.143 7440	45.5 18.041 37532	



GENERAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

4-7-75 NIGHT-PATTERSON AFB OH

75-85

STATION		STATION NAME												YEARS
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02	MEAN S.D. TOTAL OBS	15.4 14.310 930	17.9 13.752 849	29.8 11.529 929	33.3 10.434 900	47.3 9.455 930	57.4 7.307 900	53.0 5.395 929	52.2 5.504 925	54.5 8.557 900	41.3 10.550 930	32.5 11.214 900	24.0 13.957 930	40.5 19.103 10958
1-01	MEAN S.D. TOTAL OBS	14.0 14.522 930	19.0 14.315 849	29.3 11.544 930	37.5 10.707 900	47.0 9.740 930	55.7 7.357 900	52.1 5.553 930	51.2 5.951 924	53.5 8.975 897	41.0 10.593 930	32.1 11.159 899	23.5 14.145 930	39.9 19.127 10949
2-00	MEAN S.D. TOTAL OBS	14.3 14.575 930	15.7 14.738 849	29.0 11.623 930	33.0 10.554 900	48.1 9.553 930	57.7 7.210 900	52.9 5.389 930	51.3 5.389 928	53.7 8.893 898	40.9 10.590 930	31.7 11.445 900	23.8 14.352 930	40.1 19.547 10955
3-11	MEAN S.D. TOTAL OBS	15.2 14.27 930	20.7 14.113 848	30.5 11.592 930	39.4 10.315 900	49.7 10.159 930	59.2 7.592 899	54.5 5.539 930	54.0 5.535 929	56.3 9.007 900	43.5 10.099 930	34.1 11.389 900	24.3 14.150 930	41.9 19.579 10958
4-14	MEAN S.D. TOTAL OBS	15.5 13.246 930	22.8 13.175 847	31.3 11.935 930	39.9 11.415 900	49.3 10.293 930	59.0 8.009 899	54.3 7.123 930	53.7 7.149 929	55.7 9.674 900	44.0 10.752 930	35.0 11.435 900	25.8 14.150 930	42.4 19.150 10955
5-17	MEAN S.D. TOTAL OBS	15.0 12.929 930	23.1 12.587 849	31.6 11.974 930	40.0 11.457 900	49.5 10.233 930	58.5 8.117 899	54.0 7.095 928	53.2 7.131 927	55.2 9.342 900	43.3 10.843 930	34.5 11.953 899	25.5 14.334 930	42.0 18.928 10952
6-20	MEAN S.D. TOTAL OBS	15.0 13.005 930	22.3 12.787 849	31.2 11.455 930	39.5 11.077 900	49.2 10.121 928	58.0 8.087 900	54.0 5.833 930	53.3 5.850 930	55.7 9.242 900	43.0 10.550 930	33.7 11.552 900	25.3 14.273 930	41.4 19.059 10957
7-23	MEAN S.D. TOTAL OBS	15.1 13.144 93	21.4 13.324 849	30.9 11.343 930	39.2 10.410 900	48.9 9.554 927	58.1 7.388 900	54.1 5.213 930	53.2 5.375 930	55.4 8.719 900	42.5 10.393 930	32.9 11.334 900	24.5 14.308 930	41.5 19.173 10955
ALL HOURS	MEAN S.D. TOTAL OBS	15.5 13.754 744	21.0 13.738 678	30.5 11.677 743	39.0 10.921 720	48.3 9.942 743	58.1 7.692 719	53.5 5.710 743	52.3 5.392 742	55.0 9.202 719	42.5 10.505 744	33.3 11.555 719	24.5 14.239 744	41.3 19.248 37532

## STATION

STATION NAME

PERIOD

MONTH

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1. *Phragmites australis* (Cav.) Trin. ex Steud.

MONIM

U.S. GOVERNMENT PRINTING OFFICE: 1969-857 107

USAFETAC FORM 0-87-5 (OL A)

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 08-01-2010 BY 60322

# RELATIVE HUMIDITY

4-10-75 MONTH-DECEMBER STATION NAME 75-10-75 PERIOD MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1-1	1-0	100.0	100.0	99.9	99.9	99.9	99.9	97.9	79.9	21.9	77.7	97
1-2	1-1	100.0	100.0	100.0	99.9	99.9	97.9	87.9	61.9	14.9	75.7	97
1-3	1-2	100.0	100.0	100.0	100.0	99.9	97.9	87.9	61.9	14.9	77.7	97
1-4	1-3	100.0	100.0	100.0	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-5	1-4	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-6	1-5	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-7	1-6	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-8	1-7	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-9	1-8	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-10	1-9	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-11	1-10	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-12	1-11	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-13	1-12	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-14	1-13	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-15	1-14	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-16	1-15	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-17	1-16	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-18	1-17	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-19	1-18	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-20	1-19	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-21	1-20	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-22	1-21	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-23	1-22	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-24	1-23	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-25	1-24	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-26	1-25	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-27	1-26	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-28	1-27	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-29	1-28	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-30	1-29	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
1-31	1-30	100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97
TOTALS		100.0	100.0	99.9	99.9	99.9	97.9	87.9	61.9	14.9	77.7	97

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

USAFETAC      FORM      0-87-5 (OL A)  
JUL 64

[illegible]

MONTH

U.S. GOVERNMENT PRINTING OFFICE: 1964 O - 350-500

USAFETAC      FORM 0-87-5 (OL A)  
JUL 64

1. THE UNITED STATES OF AMERICA

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS PLST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90		
1-1	1	100.0	100.0	100.0	100.0	100.0	99.9	94.7	81.0	67.0	50.0	34.0
1-2	1	100.0	100.0	100.0	100.0	100.0	99.9	94.7	80.0	66.0	50.0	34.0
1-3	1	100.0	100.0	100.0	100.0	100.0	99.9	97.0	80.0	67.0	50.0	34.0
1-4	1	100.0	100.0	100.0	98.0	93.4	86.4	80.0	66.0	50.0	34.0	24.0
1-10	1	100.0	100.0	99.0	90.0	80.7	72.7	64.7	50.0	34.0	24.0	14.0
1-15	1	100.0	100.0	99.0	94.0	83.4	76.0	64.0	50.0	34.0	24.0	14.0
1-20	1	100.0	100.0	96.0	94.0	81.4	70.0	54.0	41.0	27.0	14.0	10.0
1-24	1	100.0	100.0	100.0	100.0	99.7	93.0	80.7	67.0	50.0	34.0	24.0
TOTALS		100.0	100.0	98.0	90.0	84.0	76.0	62.0	49.0	34.0	24.0	14.0

**USAFETAC**FORM  
11-64

0-87.5 (OL A)



RECEIVED  
JUN 10 1968

MONTH

U.S. GOVERNMENT PRINTING OFFICE: 1969-687-111

USAFETAC      FORM      0-87-5 (OL A)  
JUN 64

## RELATIVE HUMIDITY

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

[illegible]

10 JUL 1962

STATION

1541-0111:250N APR 74  
STATION NAME

73-44

**PERIOD**

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	6-32	100.0	100.0	100.0	99.9	97.3	85.5	57.7	35.3	9.7	75.4	470
	7-31	100.0	100.0	100.0	100.0	98.7	91.3	73.9	41.5	11.1	77.4	471
	8-30	100.0	100.0	100.0	99.3	98.9	84.5	75.3	44.1	11.6	78.3	471
	9-11	100.0	100.0	100.0	97.7	89.4	67.0	43.7	23.5	5.7	63.3	470
	10-14	100.0	100.0	97.8	85.2	67.0	32.5	20.4	11.4	2.4	55.5	469
	11-17	100.0	100.0	95.4	75.7	50.2	25.5	20.0	10.4	3.1	54.1	470
	12-2	100.0	100.0	99.4	94.3	79.7	50.5	31.3	15.4	4.4	63.3	469
	1-23	100.0	100.0	100.0	98.9	93.1	79.1	51.4	25.4	7.1	71.4	470
TOTALS		3.0	100.0	99.1	94.1	82.9	55.3	43.3	25.7	7.1	65.1	244

**USAFETAC**

FORM  
JUL 64

0-87-5 (OL A)

5215 E. CYRUS AVE. BIRMINGHAM, AL 35205-1017

## RELATIVE HUMIDITY

PERIOD

**MONTH**

U.S. GOVERNMENT PRINTING OFFICE: 1975-561-387 1/34 1975

USAFETAC      FORM 0-87-5 (OL A)

1. DATE 11/14/70

2. TIME 10:00

3. LOCATION 1000

4. REMARKS 1000

5. SIGNATURE 1000

6. INITIALS 1000

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**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

U.S. GOVERNMENT PRINTING OFFICE: 1967-397 1234 10127

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 05-10-2000 BY 480

# RELATIVE HUMIDITY

STATION 1041-TATTERSON AFB OH PERIOD 7-1-50 MONTH 5-1-50

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	1	100.0	100.0	100.0	99.4	94.1	79.4	64.7	50.0	35.3	72.7	744
	2	100.0	100.0	99.6	97.3	91.7	80.0	67.7	55.4	43.7	72.3	579
	3	100.0	100.0	99.6	92.5	81.7	68.1	55.9	43.2	31.9	64.7	747
	4	100.0	99.9	95.9	85.2	72.7	57.5	43.7	31.5	18.7	62.3	721
	5	100.0	99.9	96.7	85.5	73.2	58.3	41.7	28.5	15.4	63.9	747
	6	100.0	100.0	99.6	92.9	78.2	61.2	42.1	28.5	15.7	65.0	717
	7	100.0	100.0	99.6	95.1	84.3	69.1	52.4	39.9	25.0	64.7	747
	8	100.0	100.0	99.9	95.7	87.3	75.2	64.5	51.5	38.4	72.1	747
	9	100.0	100.0	99.1	95.3	84.5	71.3	55.7	43.1	30.9	70.7	717
	10	100.0	100.0	99.1	94.1	82.9	68.3	48.7	35.9	25.1	64.1	744
	11	100.0	100.0	99.6	95.7	89.0	72.7	48.5	33.2	20.4	69.1	717
	12	100.0	100.0	100.0	93.5	81.7	77.7	62.2	30.7	11.1	71.5	744
TOTALS		100.0	100.0	98.9	94.3	84.3	69.5	49.7	27.5	7.5	65.9	5732

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

# PART F

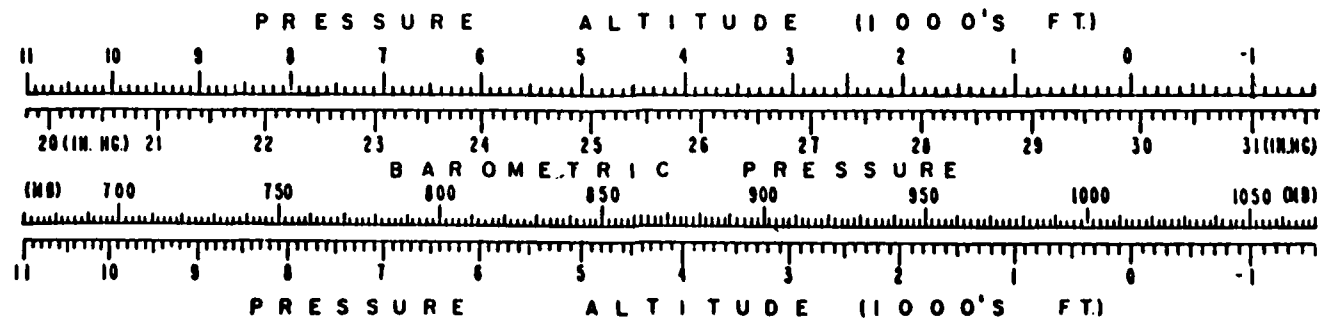
# PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.  
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.  
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY RANCH  
 ETAC  
 WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

STATION		STATION NAME												YEARS	
40700		WRIGHT-PATTERSON AFB OH												75-85	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
0	MEAN	29.1672	29.1872	29.1722	29.1962	29.0332	29.1032	29.1332	29.1542	29.1752	29.1822	29.1812	29.1852	29.1472	
	S D	.272	.238	.225	.215	.149	.132	.179	.093	.133	.171	.203	.241	.192	
	TOTAL OBS	310	283	310	300	310	300	310	310	300	310	300	310	3553	
	MEAN	29.1672	29.1772	29.0902	29.0552	29.0732	29.1032	29.1232	29.1532	29.1732	29.1792	29.1732	29.1872	29.1422	
	S D	.257	.246	.234	.214	.155	.135	.111	.100	.135	.177	.204	.245	.196	
	TOTAL OBS	310	283	310	300	310	300	310	310	300	310	300	310	3553	
	MEAN	29.1742	29.1912	29.1112	29.1112	29.1072	29.1322	29.1522	29.1832	29.2002	29.2012	29.1912	29.1922	29.1622	
	S D	.259	.251	.239	.221	.161	.138	.115	.104	.133	.181	.203	.250	.199	
	TOTAL OBS	310	283	310	300	310	300	310	310	300	310	300	310	3553	
	MEAN	29.2122	29.2122	29.1292	29.1252	29.1132	29.1372	29.1512	29.1942	29.2142	29.2212	29.2132	29.2152	29.1782	
	S D	.25	.256	.240	.224	.162	.137	.117	.104	.137	.182	.212	.255	.202	
	TOTAL OBS	310	283	310	300	310	300	310	310	300	310	300	310	3553	
1	MEAN	29.1712	29.1902	29.1102	29.1052	29.0932	29.1192	29.1452	29.1752	29.1852	29.1892	29.1782	29.1822	29.1532	
	S D	.255	.256	.231	.217	.153	.134	.112	.101	.134	.174	.211	.252	.197	
	TOTAL OBS	310	283	310	300	310	300	310	310	300	310	300	310	3553	
	MEAN	29.1552	29.1632	29.0782	29.0722	29.0542	29.0892	29.1142	29.1422	29.1472	29.1542	29.1532	29.1722	29.1272	
	S D	.247	.249	.221	.208	.152	.130	.110	.097	.132	.163	.203	.243	.182	
	TOTAL OBS	310	283	310	300	310	300	310	310	300	310	300	310	3553	
	MEAN	29.1912	29.1532	29.0922	29.0782	29.0612	29.0832	29.1072	29.1332	29.1492	29.1782	29.1732	29.1912	29.1342	
	S D	.241	.241	.215	.202	.143	.126	.104	.095	.131	.155	.205	.239	.185	
	TOTAL OBS	310	283	310	300	309	300	310	310	300	310	300	310	3552	
2	MEAN	29.1742	29.1912	29.1082	29.1012	29.0352	29.1102	29.1332	29.1552	29.1752	29.1922	29.1792	29.1852	29.1512	
	S D	.244	.237	.213	.201	.144	.123	.104	.095	.130	.159	.205	.237	.187	
	TOTAL OBS	31	283	310	300	309	300	310	310	300	310	300	310	3552	
ALL HOURS	MEAN	29.1752	29.1872	29.1022	29.0972	29.0852	29.1102	29.1342	29.1552	29.1772	29.1832	29.1812	29.1912	29.1492	
	S D	.252	.247	.228	.212	.154	.133	.111	.101	.135	.174	.207	.245	.193	
	TOTAL OBS	240	2264	2490	2400	2473	2400	2490	2430	2400	2490	2400	2490	29222	



AL CLIMATOLOGY BANC  
ETAC  
A. LEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM ADUPLY OBSERVATIONS

4-7-79 WRIGHT-PATTERSON AFB OH

75-85

STATION		STATION NAME												YEARS											
HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
0	MEAN	1017.3	1017.7	1016.4	1015.7	1014.7	1015.5	1016.3	1017.5	1018.1	1018.7	1019.0	1019.5	1017.5											
	S D	4.052	4.670	3.135	7.336	5.294	4.599	3.835	3.459	4.732	5.097	7.280	5.551	5.594											
	TOTAL OBS	310	23	310	300	310	300	310	310	300	310	300	310	300											
	MEAN	1017.3	1017.4	1015.9	1015.4	1014.7	1015.4	1016.1	1017.3	1018.0	1018.5	1018.9	1019.5	1017.4											
	S D	4.240	4.935	5.399	7.513	5.574	4.753	3.893	3.500	4.847	5.325	7.341	5.777	7.080											
	TOTAL OBS	310	23	310	300	310	300	310	310	300	310	300	310	300											
	MEAN	1017.5	1020.0	1016.7	1015.3	1015.7	1016.4	1017.0	1018.2	1019.0	1019.4	1019.5	1019.9	1017.5											
	S D	4.375	4.858	3.588	7.390	5.699	4.855	4.035	3.715	4.913	5.421	7.454	5.953	7.159											
	TOTAL OBS	310	23	310	300	310	300	310	310	300	310	300	310	300											
	MEAN	1020.0	1020.7	1017.4	1015.7	1015.0	1016.5	1017.3	1018.5	1019.5	1020.1	1020.2	1020.7	1017.7											
	S D	4.35	4.292	3.645	7.975	5.735	4.853	4.051	3.713	4.833	5.425	7.575	6.070	7.251											
	TOTAL OBS	310	23	310	300	310	300	310	310	300	309	300	310	305											
1	MEAN	1017.4	1019.9	1016.5	1015.0	1015.2	1015.9	1016.5	1017.9	1018.4	1018.9	1019.9	1019.4	1017.5											
	S D	4.175	4.255	3.374	7.729	5.589	4.705	3.934	3.509	4.755	5.150	7.541	6.994	7.059											
	TOTAL OBS	310	23	310	300	310	300	310	310	300	310	300	310	300											
	MEAN	1017.0	1018.9	1015.5	1014.9	1014.2	1014.9	1015.7	1016.7	1017.1	1018.1	1018.2	1019.1	1015.5											
	S D	4.933	4.923	7.917	7.401	5.309	4.555	3.547	3.497	4.645	5.422	7.415	5.547	5.545											
	TOTAL OBS	310	23	310	300	310	300	310	310	300	310	300	310	300											
	MEAN	1019.5	1019.6	1015.1	1015.1	1014.1	1014.7	1015.4	1016.5	1017.2	1018.5	1018.8	1019.4	1017.1											
	S D	5.632	5.733	7.699	7.175	5.077	4.442	3.715	3.415	4.631	5.493	7.342	5.550	5.445											
	TOTAL OBS	310	23	310	300	309	300	310	310	300	310	300	310	300											
2	MEAN	1017.9	1019.9	1016.5	1015.9	1015.0	1015.5	1016.3	1017.5	1018.1	1019.1	1019.9	1020.0	1017.7											
	S D	4.734	4.640	7.852	7.172	5.095	4.344	3.655	3.412	4.624	5.473	7.345	5.475	5.774											
	TOTAL OBS	31	23	310	300	309	300	310	310	300	310	300	310	300											
ALL HOURS	MEAN	1017.6	1019.8	1016.4	1015.7	1015.0	1015.5	1016.4	1017.5	1018.2	1019.9	1019.1	1019.5	1017.7											
	S D	4.057	4.947	3.204	7.554	5.441	4.673	3.913	3.512	4.809	5.172	7.427	5.771	7.005											
	TOTAL OBS	245	2263	2480	2400	2473	2400	2430	2430	2430	2470	2470	2470	2440											

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